









Output							
Voltage	Current	Power	Model	Size	Standard Interface	Optional Information	Certificates
150V/300V	5.6A/2.8A	600W	SP300VAC600W	2U 🕕	RS232/RS485/USB	(1) (2) (3)	CE/UL/CSA/FCC
150V/300V	9.2A/4.6A	1000W	SP300VAC1000W	2U 🛈	RS232/RS485/USB	(1) (2) (3)	CE/UL/CSA/FCC
150V/300V	13.8A/6.9A	1500W	SP300VAC1500W	2U 🕕	RS232/RS485/USB	(1) (2) (3)	CE/UL/CSA/FCC
150V/300V	16A/8A	2000W	SP300VAC2000W	3U 2	RS232/RS485/USB/LAN	(4) (5)	CE/UL/CSA/FCC
150V/300V	27.6A/13.8A	3000W	SP300VAC3000W	4U 🔞	RS232/RS485/USB/LAN	(4) (5)	CE/UL/CSA/FCC
150V/300V	32A/16A	4000W	SP300VAC4000W	4U ³	RS232/RS485/USB/LAN	(4) (5)	CE/UL/CSA/FCC
150V/300V	46A/23A	5000W	SP300VAC5000W	4U 🔞	RS232/RS485/USB/LAN	(4) (5)	CE/UL/CSA/FCC







	Output			Connection	Model	Size	Standard Communication	Optional	0 115 1
Rated Voltage	Rated Power	Rated Current	Output Mode	Туре		0.20	Interface	Information	Certificates
150V/300V	1200W	10.08A/5.04A			SPS300VAC1200W-2-9		RS232/RS485/USB		
150V/300V	2000W	15.56A/8.28A			SPS300VAC2000W-2-9	9U 🐠	RS232/RS485/USB	(1)	
150V/300V	3000W	24.84A/12.42A			SPS300VAC3000W-2-9		RS232/RS485/USB		
150V/300V	4000W	28.8A/14.4A	1-Phase	2 Parallel	SPS300VAC4000W-3-17		RS232/RS485/USB/LAN	(0)	CE
150V/300V	6000W	49.68A/24.84A			SPS300VAC6000W-4-17	17U ⁶	RS232/RS485/USB/LAN		
150V/300V	8000W	57.6A/28.8A			SPS300VAC8000W-4-17	1/0	RS232/RS485/USB/LAN	(4)	
150V/300V	10000W	82.8A/41.4A			SPS300VAC10000W-4-17		RS232/RS485/USB/LAN		
150V/300V	1800W	15.12A/7.56A			SPS300VAC1800W-2-9		RS232/RS485/USB		
150V/300V	3000W	24.84A/12.42A			SPS300VAC3000W-2-9	90 4	RS232/RS485/USB	(1)	CE
150V/300V	4500W	37.26A/18.63A			SPS300VAC4500W-2-9		RS232/RS485/USB		
150V/300V	6000W	43.2A/21.6A	1-Phase	3 Parallel	SPS300VAC6000W-3-17		RS232/RS485/USB/LAN	(4)	
150V/300V	9000W	74.52A/37.26A			SPS300VAC9000W-4-17		RS232/RS485/USB/LAN		
150V/300V	12000W	86.4A/43.2A			SPS300VAC12000W-4-17	17U ⁶	RS232/RS485/USB/LAN		
150V/300V	15000W	124.2A/62.1A			SPS300VAC15000W-4-17		RS232/RS485/USB/LAN		
150V/300V	2400W	20.16A/10.08A			SPS300VAC2400W-2-17		RS232/RS485/USB		
150V/300V	4000W	33.12A/15.56A			SPS300VAC4000W-2-17	17U ⁶	RS232/RS485/USB	(4)	
150V/300V	6000W	49.68A/24.84A			SPS300VAC6000W-2-17	170	RS232/RS485/USB	(4)	
150V/300V	8000W	57.6A/28.8A	1-Phase	4 Parallel	SPS300VAC8000W-3-17		RS232/RS485/USB/LAN		CE
150V/300V	12000W	99.36A/49.68A			SPS300VAC12000W-4-21		RS232/RS485/USB/LAN		
150V/300V	16000W	115.2A/57.6A			SPS300VAC16000W-4-21	21U ⁶	RS232/RS485/USB/LAN	(4)	
150V/300V	20000W	165.6A/82.8A			SPS300VAC20000W-4-21		RS232/RS485/USB/LAN		

SP-300 Series Programmable AC Power Supply & System

	Output			Connection	Model	Size	Standard Communication	Optional	01:51
Rated Voltage	Rated Power	Rated Current	Output Mode	Туре	model	Interface		Information	Certificates
300V/600V	1200W	5.04A/2.52A			SPS600VAC1200W-2-9		RS232/RS485/USB		
300V/600V	2000W	8.28A/4.14A			SPS600VAC2000W-2-9	9U ⁴	RS232/RS485/USB	(1)	
300V/600V	3000W	12.42A/6.21A			SPS600VAC3000W-2-9		RS232/RS485/USB		
300V/600V	4000W	14.4A/7.2A	1-Phase	2 Series	SPS600VAC4000W-3-17		RS232/RS485/USB/LAN		CE
300V/600V	6000W	24.84A/12.42A			SPS600VAC6000W-4-17	17U	RS232/RS485/USB/LAN	(4)	
300V/600V	8000W	28.8A/14.4A			SPS600VAC8000W-4-17	1,0	RS232/RS485/USB/LAN	(4)	
300V/600V	10000W	41.4A/20.7A			SPS600VAC10000W-4-17		RS232/RS485/USB/LAN		

Dimensions & Weight



1 423.0x87.0x520.0 mm & 15.9kg



4 540.0x400.0x640.0 mm



423.0x133.0x520.0 mm & 21.4kg



6 560.0x754.0x700.0 mm



3 423.0x177.0x520.0 mm & 29kg



Optional Information

(1) LAN & GPIB interface card & cables



(2) Analog I/O interface card & cable



(3) Multiphase link card & cable



(4) GPIB interface card & cable





(5) Analog I/O & multiphase link card & cables







Features

- Large color touch screen with intuitive interface, easy to operate
- Features AC, DC, AC+DC output modes, AC+DC output mode for voltage DC offset simulation
- Turn on, turn off phase angle control, 0-359.9°
- Output frequency: 15-1200Hz, programmable slew rate setting for changing voltage and frequency
- High output current crest factor which is ideal for inrush current testing
- Built-in power meter function, can real-time measure 15 electrical parameters such as RMS voltage, current, power, apparent power and etc. This series AC source can measure up to 40 orders of the voltage or current harmonics. Support LIST/PULSE/STEP modes to simulate all kinds of power line disturbance conditions
- Triac Dimmer function for dimming/governor simulation function
- Sweep function for efficiency testing and shows voltage and frequency value at max power
- Multiple current range to make current measurement more accurate
- Front panel USB interface supports CSV format to import waveform
- OCP/OVP/OPP/OTP/reverse current protection/short circuit protection
- Programmable voltage and current limit, support CC mode
- Support up to 2 units in series, 4 units in parallel
- Support three phase power output, can simulate three phase unbalanced output
- Support external analog input control and TTL electrical level output
- Two versions to meet the cost performance and different applications

SP-300 Series Programmable AC Power Supply & System

Difference between Advanced Version and Professional Version

Function description	Advanced Version	Professional Version
Output frequency range	15~1000Hz	15~1200Hz
Built-in IEC standards	IEC 61000-4-11	IEC 61000-4-11; IEC 61000-4-13; IEC 61000-4-14; IEC 61000-4-28
Programmable output impedance	Not supported	Support, meet IEC 61000-3-2/ IEC 61000-3-3 output impedance test requirements
Harmonic/inter-harmonic generation simulation and measurement function	Not supported	Support, the harmonic components can be up to 40 orders

Panel Introduction

0.6 - 1.5kVA

- Power Switch (Up), USB Interface (Down)
- Color Touch Screen
- Multifunctional Keys 3
- Numeric and Functional Keys
- **Output Terminal** 6
- **AC Input Terminal**
- RS485/RS232/USB Communication Interface (LAN & GPIB Interface Card is Optional)
- Analog I/O Interface Card (Optional)



Rear Panel Introduction



Note: If the LAN&GPIB communication card is selected, it will replace RS485/RS232/USB to be installed in the same position. If parallel/multiphase interface card is selected, it will replace remote I/O interface card to be installed in the same position.

2 - 5kVA

- Power Switch (Up), USB Interface (Down)
- Color Touch Screen
- 3 Multifunctional Keys
- Numeric and Functional Keys
- 6 **Output Terminal**
- **AC Input Terminal** 6
- RS485/RS232/USB/LAN Communication Interface
- **GPIB Communication Interface (optional)**
- Analog I/O & multiphase link card (optional)



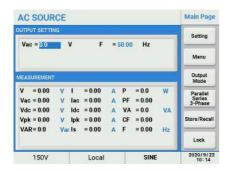
Rear Panel Introduction

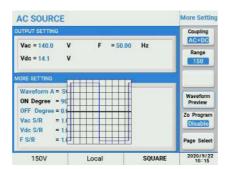


Function Introduction

Graphical User Interface

The large color touch screen provides simple and fast operation for customers, real-time update of display output data and power status, and graphical display makes it more intuitive.

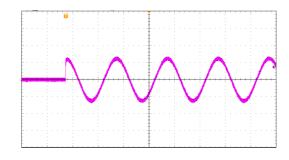




Settable ON/OFF Phase Angle of Output Waveform

This series of AC power supply can set the ON phase and OFF phase of sinusoidal output waveform, suitable for the output test of switching power supply. Set the ON angle to 90 degrees for surge current testing, the power supply will show the measured value of surge current. Users can set when start to measure the surge current and the duration of the measurement.

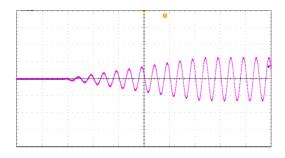




Slew Rate Setting for Voltage and Frequency

This series AC power supply let users set the slew rate of voltage and frequency, in such application in order to reduce the inrush current during motor or compressor startup.

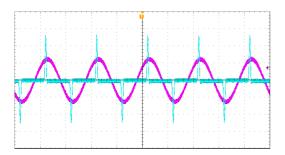




SP-300 Series Programmable AC Power Supply & System

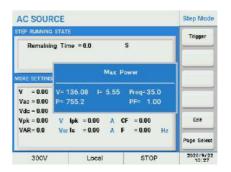
High Output Crest Factor

This series AC power supply deliver up to 5~6 times of peak current from its RMS current, so it is suitable for testing switching power supplies and motor with high inrush current issue.



Power Sweep Function

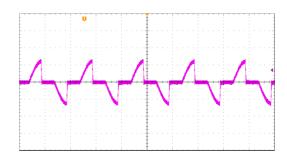
This series AC power supply can test the efficiency of switching power supply and capturing the voltage, current, power and frequency at the maximum power operating point, the measurements will be displayed at the end of the sweep.



Triac Dimmer Function

This series AC power supply built-in triac dimmer function, which is used to do dimming and speed regulating test for lamp or electric motor to ensure the products work well both in R&D and production testing.

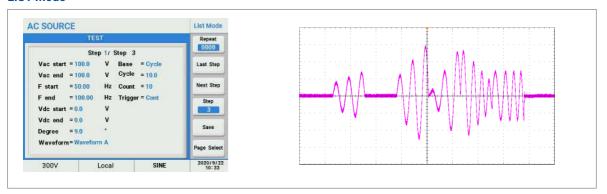




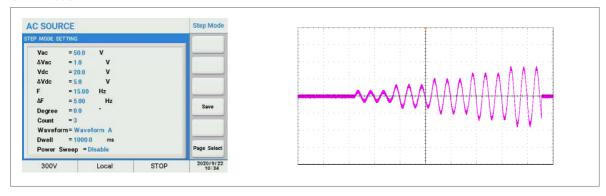
Power Line Disturbance Simulation

This series AC power supply provides powerful function to simulate all kinds of power line disturbance conditions such as cycle dropout, transient spike, brown out and etc. This feature make this series AC power supply ideal for R&D labs, universities and certification labs.

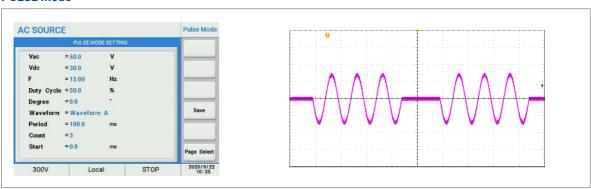
LIST Mode



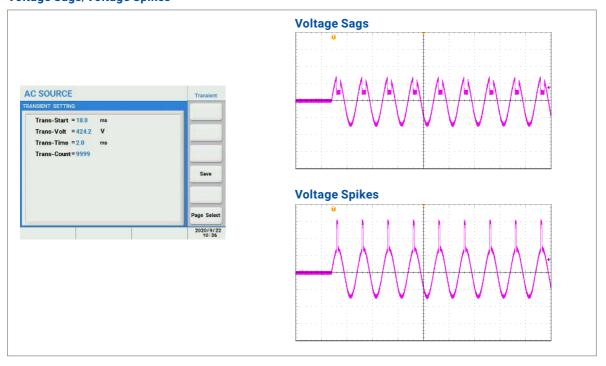
STEP Mode



PULSE Mode



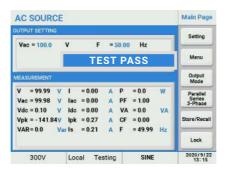
Voltage Sags/Voltage Spikes



SP-300 Series Programmable AC Power Supply & System

Test Mode

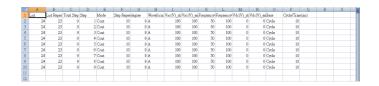
The test mode compares measurement values against a user defined set of measurement limits and shows a PASS or FAIL result in one or more measurement are out of range. The user can set when start of the measurement and duration of the test.



File Save and Recall Via The USB Interface

The user can save the screenshot via the USB interface in the front panel. The user can import a CSV file via the USB interface to generate waveform output.





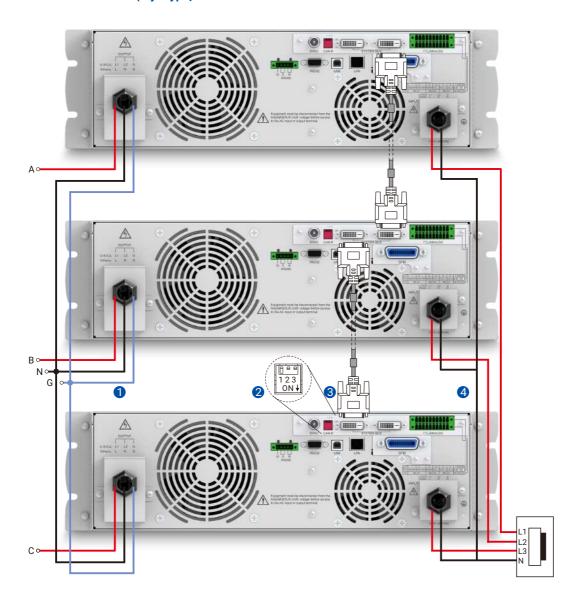
Parallel/Series/3-Phase Mode

This series AC power source can be used in parallel or series to provide more power, the maximum current up to 184A and the voltage up to 600V. In 3-phase mode, the Master unit is always phase A, Slave 1 is always phase B and Slave 2 is always phase C. The phase difference between phase A and B is always 120° and between phase A and C is always 240°. The output voltage of phase B and C will be set to the same setting as that for phase A (Master) if the Voltage Mode is set to COM. Or if the Voltage Mode is set to Multi, phase B and C output voltage can be set individually to simulate 3-phase unbalance system. The output of 3-Phase system can be connected for three-phase, four wire (Delta configuration) loads or for three-phase, five wire (Wye configuration) according to the application requirement.





Three-phase five-wire connection (Wye type)

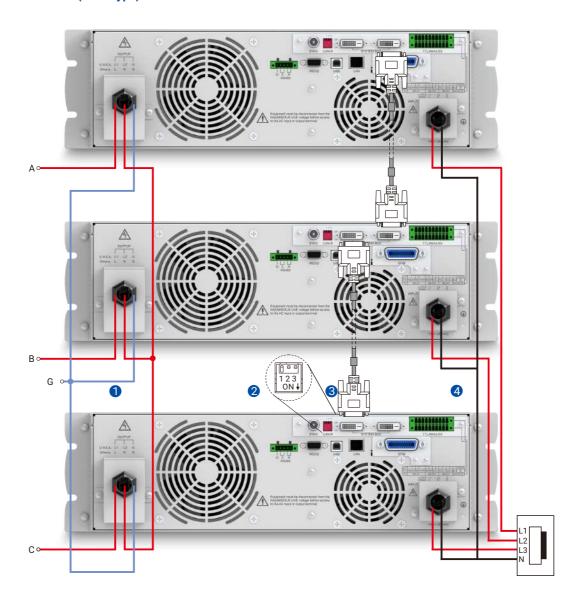


- Output connections
- 2 Terminal resistance CAN-R, flip Dip switch 1 to ON position (Down)
- 3 System bus communication cable.
- 4 Only support three-phase five-wire connection

The output voltage range of three-phase five-wire (Wye type) connection is $0 \sim 300$ V.

SP-300 Series Programmable AC Power Supply & System

Three-phase four-wire connection (Delta type)



- 1 Output connections
- 2 Terminal resistance CAN-R, flip Dip switch 1 to ON position (Down)
- 3 System bus communication cable.
- 4 Only support three-phase five-wire connection

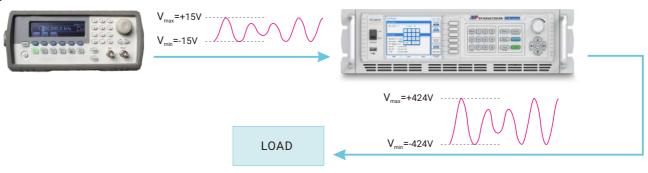
The output voltage range of three-phase four-wire (Delta type) connection is $0 \sim 519V$

External Control Function

By selecting Analog I/O card to achieve below function:

1) Amplifier Mode

In Amplifier mode, the power source acts as a power amplifier, taking a low-level analog signal and amplifying it by a fixed amount of gain.



2) External Control Instruction

Pin No.	Reference	Туре	Description	Maximum
Pin1	ON/OFF	EXT.V	Control input for output on/off, low level (0 \sim 0.5V) disables the output, high level (4.5 \sim 5.5V) enables the output	
Pin2	KEEP OFF ^[1]	EXT.V	Keep OFF function, low level (0-0.5V) disables the function, high level (4.5-5.5V) enables the function	
Pin3	RESET	EXT.V	High level (4.5 \sim 5.5V) will enable alarm clear function	6Vdc
Pin4	CALL 1	EXT.V	0=low electrical level (0-0.5V), 1= high electrical level (4.5 \sim 5.5V)	6Vac
Pin5	CALL 2	EXT.V	0=low electrical level (0-0.5V), 1= high electrical level (4.5 \sim 5.5V)	
Pin6	CALL 3	EXT.V	0=low electrical level (0-0.5V), 1= high electrical level (4.5 \sim 5.5V)	
Pin7	N/A	EXT.V	Not Used	_
Pin8-10		EXT.V	GND	-

¹¹ If the KEEP OFF signal keeps high (enable) there will be always no ouptut.

3) TLL Signal Instruction

Pin No.	Reference	Туре	Description	Maximum	Electrical Parameters	
Pin1-2	RELAY1-PASS	TTL	These two pins will connected internally when the unit passed the test mode			
Pin3-4	RELAY2-FAIL	TTL	These two pins will connected internally when the unit failed the test mode	250VAC 3Amp/ 30VDC 3Amp	These pins without positive andnegative polarity, do not share the ground netither.	
Pin5-6	RELAY3-RUN	TTL	These two pins will connected internally when the unit is running			
Pin7-8	RELAY4	TTL	Not Used	-	-	
Pin9-10		TTL	GND	_	-	

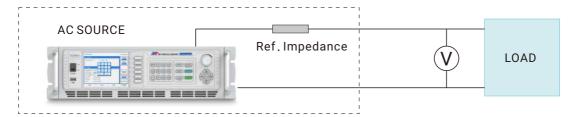
Firmware Upgrade

This series AC power source supports firmware upgrade. The DSP firmware can be upgraded via RS232 communication, the display and remote firmware can be upgraded via the USB interface in the front panel. The upgrade process is very easy to operate. The upgrade feature keeps the latest software function supported by the power supply.

Professional Version Power Supply Function

Programmable Output Impedance Function

The low output impedance and low voltage harmonics of this series power supply make it ideal for IEC61000-3-2 standard testing. A current feedback control circuit makes the output voltage changed with load. This feature is suitable for IEC61000-3-3 Flicker tests. The user can set the resistance and inductance value according to the test requirement.



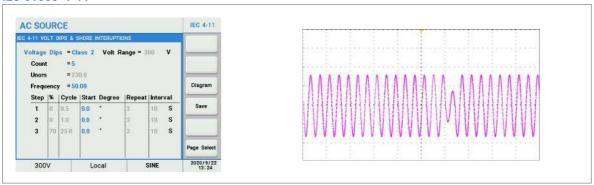
More Built-in IEC Standard Test Waveforms

Professional version supports more built-in IEC standard test waveforms

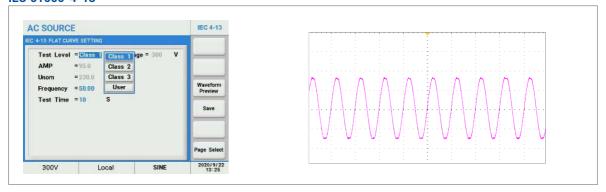
- IEC 61000-4-11, Testing and measurement techniques-Voltage dips, short interruptions and voltage variations immunity tests (AC,<16A)
- IEC 61000-4-13, Testing and measurement techniques-Harmonics and inter-harmonics including mains signaling at AC power port, low frequency immunity tests
- IEC 61000-4-14, Testing and measurement techniques-Voltage fluctuation immunity test
- IEC 61000-4-28, Testing and measurement techniques-Variation of power frequency, immunity test for equipment with input current not exceeding 16 A per phase

The above standards can meet the power immunity test for products exported to Europe.

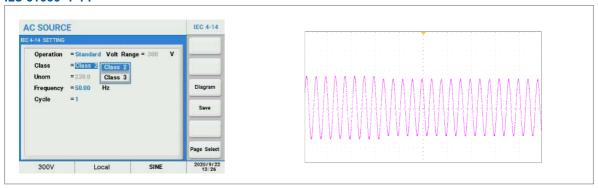
IEC 61000-4-11



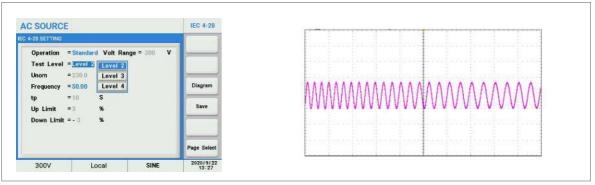
IEC 61000-4-13



IEC 61000-4-14

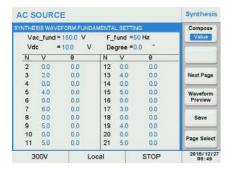


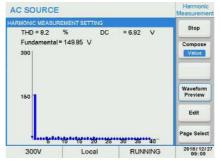
IEC 61000-4-28

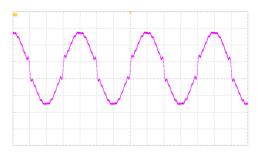


Harmonic/inter-harmonic Generation Simulation and Measurement Function

Support creating waveforms made up of a series of harmonics frequencies, amplitudes and phase shifts, up to 40 orders harmonics of 50Hz or 60Hz. The harmonics measurement function measures total harmonic distortion (THD), DC voltage and current and fundamental voltage and current for output settings of 50Hz or 60Hz. The measurement of 2~40 orders can be displayed in absolute values or in percent of the fundamental, the harmonics measurement will be displayed with a graphical representation.







SP-300 Series Programmable AC Power Supply & System

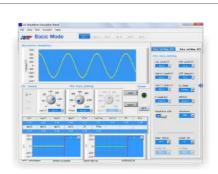
Monitoring Software

AC Waveform Simulation Panel is a graphical user interface that provides extraordinary capabilities and convenience by delivering control of the unit remotely, which covers all functions of panel operation.

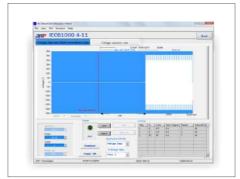
Login Interface



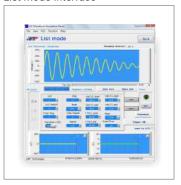
Basic mode(Main interface)



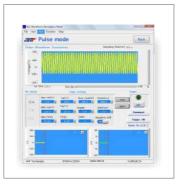
IEC61000 4-11 interface



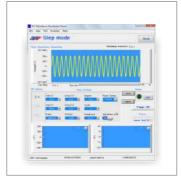
List mode interface



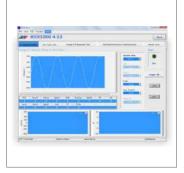
Pulse mode interface



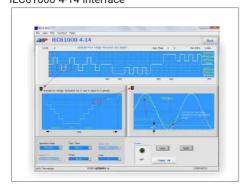
Step mode interface



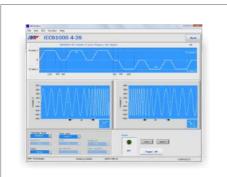
IEC61000 4-13 interface



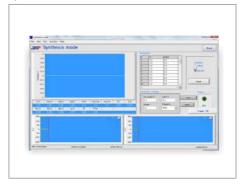
IEC61000 4-14 interface



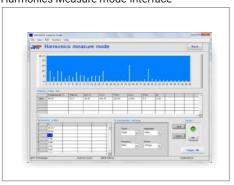
IEC61000 4-28 interface



Synthesis mode interface



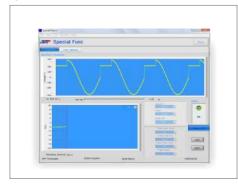
Harmonics Measure mode interface



Auto run mode interface

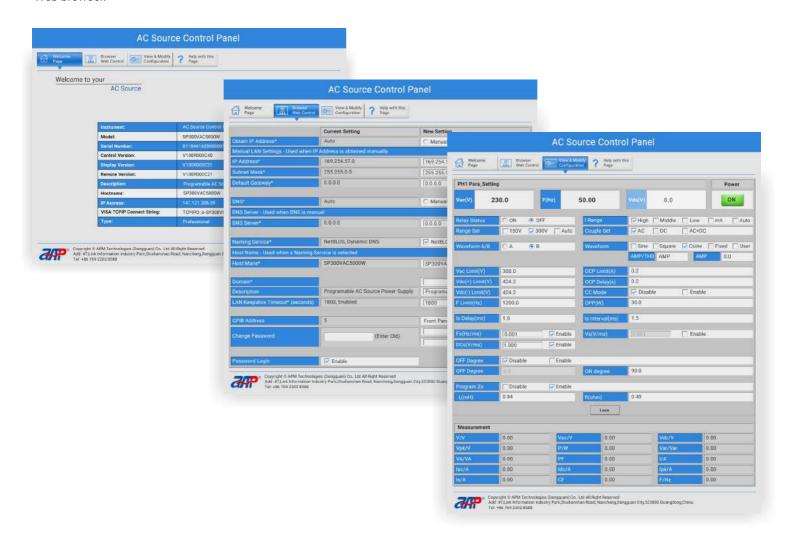


Special Func interface



Web Server Function

This series AC power supply provides a built-in web server interface, then the user can configure and monitor the settings from the PC's Web browser.



Contents

SP300VAC600W	17
SP300VAC1000W	17
SP300VAC1500W	17
SP300VAC2000W	19
SP300VAC3000W	19
SP300VAC4000W	19
SP300VAC5000W	19

Selection List:

Model	Voltage	Current	Power	Corresponding page
SP300VAC600W	150V/300V	5.6A/2.8A	600W	P17
SP300VAC1000W	150V/300V	9.2A/4.6A	1000W	P17
SP300VAC1500W	150V/300V	13.8A/6.9A	1500W	P17
SP300VAC2000W	150V/300V	16A/8A	2000W	P19
SP300VAC3000W	150V/300V	27.6A/13.8A	3000W	P19
SP300VAC4000W	150V/300V	32A/16A	4000W	P19
SP300VAC5000W	150V/300V	46A/23A	5000W	P19

Model		SP300VAC600W	SP300VAC1000W	SP300VAC1500W			
Voltage		00 365VAC	Input	100 265VAC			
Voltage		90~265VAC	90~265VAC	100~265VAC			
Frequency		47~63Hz					
Phase Max. Current		1 Phase, 2Wire+Groud	154	19A			
	0.4401 . 5 !!!	10A	15A				
Power Factor at 22	OVAC Input, Full Load	≥ 0.91 Active PFC	≥ 0.95 Active PFC	≥ 0.97 Active PFC			
Efficiency		> 82%(Peak) > 80% at 220VAC, 50Hz input/230VAC, 50Hz output, Full Load	> 86%(Peak) > 84% at 220VAC, 50Hz input/230VAC, 50Hz output, Full Load	> 87%(Peak) > 86% at 220VAC, 50Hz input/230VAC, 50Hz output, Full Load			
AC Dower			Output	1500VA			
AC Power	0.4501/(1)						
Max. Current	0~150V(L)	5.6A	9.2A	13.8A			
(r.m.s)	0~300V(H)	2.8A 4.6A 6.9A 32.4A 55.2A 82.8A					
Max. Current	0~150V(L)						
(Peak)	0~300V(H)	16.2A	27.6A	41.4A			
Phase		1 Phase					
		<0.5% (Resistive Load) at 15.0~70.0H	z and output voltage within 80~140VAC at l	Low Range or 160~280VAC at High Range.			
		<1% (Resistive Load) at 70.1~500Hz	and output voltage within 80~140VAC at Lo	ow Range or 160~280VAC at High Range.			
Total Harmonic Distortion (THD)		<1% (Resistive Load) at 501~1000Hz	and output voltage within 100~140VAC at L	ow Range or 160~280VAC at High Range.			
	, ,		and output voltage within 100~140VAC at				
		Note: 1001~1200Hz only available to		-			
Crest Factor (CF)		< 6	2.2				
		± 0.1%F.S. @15~70Hz (Resistive Load)					
Load Regulation		± 0.5%F.S. @Others Freq. (Resistive Load))				
Line Regulation		± 0.1V	,				
Rise/Fall Time (DC)		< 250us					
Rise/Faii Tillie (DC)		0~300VAC , 150V/300V/Auto					
	Range						
Voltage (AC)	Resolution	0.1V					
	Accuracy	0.2% of setting + 0.2%F.S.					
Phase Angle	Range	0~359.9°					
(Starting / Ending)	Resolution	0.1°					
(Ottaiting / Enamy)	Accuracy	± 1°@45~65Hz					
	Range	0~424VDC					
	Resolution	0.1V					
	Accuracy	0.2% of setting + 0.2%F.S.					
	Max. Power	600W 1000W 1500W					
Voltage (DC)	Max. Current	L3.96A	L 9.76A				
	(L/H Range)	H 1.89A	H3.3A	H 4.88A			
	Ripple & Noise (r.m.s)	L <700mVrms @Bandwidth 20Hz to 1MI	-lz				
	Ripple & Noise (I.III.s)	H <1100mVrms @Bandwidth 20Hz to 1M	ИНz				
	Ripple & Noise (Peak)	<4000mVp-p @Bandwidth 20Hz to 1MH	z				
	Resolution	0.01A					
Current CC	Accuracy	0.5% of setting + 1.0%F.S.					
Fold Mode	Response Time	<1400ms					
	Range ^[1]	15~1200Hz Full Range ADJ					
Frequency	Resolution	0.1Hz (15.0~99.9Hz), 1Hz (100~100	00Hz), 5Hz (1001~1200Hz)				
	Accuracy	0.03% of setting					
Programmable Out		0Ω+0mH~1Ω+1mH					
	narmonics Simulation[3]	2400Hz					
			surement				
	_	AC 0~300VAC					
	Range	DC 0~424VDC					
Voltage	Resolution	0.1V					
	Accuracy	0.2% of setting + 0.2%F.S.					
	Range ^[1]	15~1200Hz					
Fraguanay	Resolution	0.1Hz(15.0~99.9Hz),1Hz(100~100	0Hz) 5Hz(1001~1200Hz)				
Frequency		0.1Hz(15.0~99.9Hz),1Hz(100~100	5112/, 5112(1001~1200112)				
	Accuracy	H 0.15A~5.6A	H 0.15A~9.2A	H 0.15A~13.8A			
		M -	M -	H 0.15A~13.8A M -			
Current	Range						
Current		L 0.1A~3A	L 0.1A~3A	L 0.1A~3A			
(r.m.s)	Deceluti	mA -	mA -	mA -			
	Resolution	0.01A					
	Accuracy	0.4%+1.0%F.S.	1	H 0.4%+1.0%F.S. L 0.4%+1.5%F.S.			
	Range	0~32.4A	0~55.2A	0~82.8A			
Current	Resolution	0.01A					
(Peak)	Accuracy	H 0.4%+1.0%F.S.					
(i cair)	Accuracy	L 0.4%+1.5%F.S.					

Model		SP300VAC600W	SP300VAC1000W	SP300VAC1500W					
	Range	0~600W	0~1000W	0~1500W					
Power	Resolution	0.1W							
	Accuracy	0.4% of setting + 1.0% F.S. at PF	>0.2. Voltage>5V						
Power	Range	0~612VA	0~1020VA	0~1530VA					
Apparent	Resolution	0.1VA		0 1000111					
(VA)	Accuracy	Voltage*Irms, Calculated value							
Power	Range	0~612VAR	0~1020VAR	0~1530VAR					
Resistive	Resolution	0.1VAR	0 1020 VAIX	0~1330VAK					
(VAR)	Accuracy	$\sqrt{(VA)^2-(W)^2}$, Calculated value							
	Range	0.00~1.00							
Power	Resolution	0.00							
Factor (DE)	Accuracy								
(PF)	-	W/VA, Calculated value							
Harmonic	Range ^[4]	2~40 orders	Extra Function						
Remote Sense	Range	5V(rms), Max. Total power less t							
itemote Sense	runge								
Class Data	D	AC Voltage 0.001~1200.000V/n							
Slew Rate	Range	DC Voltage 0.001~1000.000V/m							
		Frequency 0.001~1600.000Hz/n	ns and Disable						
Transient		Trans-Start: 0.0~66.5ms @ 15H:	z, Resolution: 0.1ms						
Generator	Range	Trans-Volt: -212V~+212V(L), -42	4V~+424V(H), Resolution: 0.1V						
(only for	Range	Trans-Time: 0.0~66.5ms @ 15H	z, Resolution: 0.1ms						
15~70Hz)		Trans-Count: 0~9999, Constant	-						
Calibration			ugh the digital interface or front panel						
Test Function		Yes	-99 						
Parallel Output for 1	Phase	Yes, 4 Units Max. (Option: Multip	phase Link Card)						
Series Output for 1 I			Yes, 2 Units Max. (Option: Multiphase Link Card)						
Link Output for 3 Ph		Yes, (Option: Multiphase Link Ca	·						
Ellik Gatpat for 6 f fi	asc .	res, (option: Manaphase Ellik oa	General						
Graphic Display		4.3" Color touch LCD	201101111						
Operation Key Featu	Ire		ob, USB port for transfer and upgrading firm	ware					
Rack mount Handle			Yes						
FAN	<u>, </u>	Temperature Control							
		· ·	_UVP,PRI_OVP, PRI_OTP, PRI_OCP, USE	R OCP					
Protection Circuits Interface		Standard USB, RS-485, RS-232, GPIB & LAN is Optional							
interrace			t/Output Signal Characteristics (Option)						
Remote Input Signal	I	Signal input for external trigger for execution of programmed value Signal: ON/OFF, RESET, KEEP OFF, Recall program memory 1 through 7							
Remote Output Sign	al	Signal output indicating that a test mode is present							
		Signal: PASS, FAIL, TEST-IN-PROCESS							
External Signal Wav	eform Input	Signal input for output voltage waveform programming by external analog reference via BNC type. Between the sync signal and the output wave will be 0.5ms time difference							
		reference via BNC type. Between	n the sync signal and the output wave will be Environment	totalis time difference					
Operating Tamps	uro	0°C 40°C	Environment						
Operating Temperatur		0°C ~ 40°C -40°C ~ 85°C							
Storage Temperatur	е								
Fan Noise		73dBA Max.							
Altitude		2000m							
Relative Humidity		5%~95%, non-condensing	*O -+ O 100						
Temperature Coeffic	cient	ruuppm/ "C at Voltage, 300ppm/	°C at Current, 100ppm/°C at Frequency						
Dimensions (W*H*D))	423.0x87.0x520.0 mm	Mechanical						
Package Dimension		594.0x241.0x744.0 mm							
	19 (AALID)	15.9kg							
Unit Weight Shipping Weight									
Shirphing Meight		19kg	egulatory Compliance						
				insiana					
EMC			014/30/EU/EN61326-1: 2013 Class A for em						
0.5.				formity for CFR 47 Part 15 of the FCC Rules.					
Safety			14/35/EU/EN61010-1-third edition as require						
CE Mark			y II; Pollution Degree 2; Class II equipment; i	naoor use only.					
Isolation Voltage 3000VAC,input to output; 1500VAC,input to chassis.									
RoHS			U for restriction of hazardous substances in						

^[1] Only Professional Version units support 15.00~1200.00Hz.

^[2] Only Professional Version units support Programmable Output Impedance function.

^[3] Only Professional Version units support Harmonics & Inter-harmonics Simulation function.

^[4] Only Professional Version units support Harmonics function.

All specifications are subject to change without notice.

Model		SP300VAC2000W	SP300VAC3000W	SP30	00VAC4000W	SP300	VAC5000W		
			Input						
Voltage		190~265VAC							
Frequency		47~63Hz							
Phase		1 Phase, 2Wire+Groud							
Max. Current		14A	20A	25A		30A			
Power Factor at 22	20VAC Input, Full Load	≥0.99, ActivePFC ≥0.98, ActivePFC ≥0.99, ActivePFC ≥0.99, ActivePFC							
		> 87%(Peak)	> 86%(Peak)		(Peak)	> 87%(I			
Efficiency		> 86% at 220VAC, 50Hz input	> 85% at 220VAC, 50I		at 220VAC, 50Hz input		at 220VAC, 50Hz input		
		230VAC,50Hz output, Full Load		Full Load 230VA	AC,50Hz output, Full Load	230VA	C,50Hz output, Full Load		
AC Power		2000VA	Output 3000VA	4000	V A	5000V	٨		
Max. Current	0~150V(L)	16A	27.6A	32A	*^	46A	^		
(r.m.s)	0~300V(H)	8A	13.8A	16A		23A			
Max. Current	0~150V(L)	80A	165.6A	160A		184A			
(Peak)	0~300V(H)	40A	82.8A	80A		92A			
Phase		1 Phase							
		<0.5% (Resistive Load) at 15.0	>~70.0Hz and output v	oltage within 80	-140VAC at Low Range	or 160~28	OVAC at High Range.		
		<1% (Resistive Load) at 70.1~							
Total Harmonic Dis	stortion (THD)	<1% (Resistive Load) at 501~1							
	(
		<2% (Resistive Load) at 1001~ Note: 1001~1200Hz only avail	•	_	~ 140 VAC at Low Range	or 160~2	BUVAC at High Range.		
Crest Factor (CF)		Note: 1001~1200Hz only avail	≤ 6	version Models. ≤ 5		≤ 4			
		± 0. 1%F.S. @15~70Hz (Resistiv							
Load Regulation		± 0. 5%F.S. @Others Freq. (Resistiv							
Line Regulation		± 0.1V	,						
Rise/Fall Time (DC	C)	<180us							
	Range	0~300VAC, 150V/300V/Au	to						
Voltage (AC)	Resolution	0.1V							
	Accuracy	0.2% of setting + 0.2%F.S.							
Phase Angle	Range	0~359.9°							
(Starting / Ending)	Resolution	0.1°							
, , ,	Accuracy	±1°@45~65Hz							
	Range	0~424VDC							
	Resolution	0.1V							
	Accuracy	0.2% of setting + 0.2%F.S.	0000111	4000		E000M	,		
	Max. Power		2000W 3000W 4000W 5000W						
Voltage (DC)	Max. Current (L/H Range)	L 11.3A H 5.65A	L 19.6A H 9.8A	L 22.6		L 32.6			
	(E/TTRunge)	L <700mVrms @Bandwidth 20H		ППП	5A	П 10.3	Α		
	Ripple & Noise (r.m.s)	H <1100mVrms @Bandwidth 20							
	Ripple & Noise (Peak)	<4000mVp-p @Bandwidth 20Hz							
	Resolution	0.01A							
Current CC	Accuracy	0.5% of setting + 1.0%F.S.							
Fold Mode	Response Time	1.0% of setting + 1.0% r.s.							
	Range ^[1]	15~1200Hz Full Range ADJ							
Frequency	Resolution	0.1Hz(15.0~99.9Hz),1Hz(1	00~1000Hz), 5Hz (1	001~1200Hz)					
	Accuracy	0.03% of setting							
Programmable Out		0Ω+0mH~1Ω+1mH							
Harmonics & Inter-	-harmonics Simulation[3]	2400Hz							
		400.000045	Measurement						
	Range	AC 0~300VAC							
Voltage	Pacalution	DC 0~424VDC							
	Resolution Accuracy	0.1V 0.2% of setting + 0.2%F.S.							
	Range ^[1]	15~1200Hz							
Frequency	Resolution	0.1Hz(15.0~99.9Hz), 1Hz(10	00~1000Hz). 5Hz(10	001~1200Hz)					
	Accuracy	0.1% of setting							
		H 0.15A~20A	H 0.3A~27.6A	А Н	0.3A~32A	Н	0.3A~46A		
	Descri	M -	M 0.2A~20A	M	0.2A~20A	М	0.2A~20A		
	Range	L 0.1A~5A	L 0.1A~5A	L	0.1A~5A	L	0.1A~5A		
Current		mA 0.02A~1.5A	mA 0.02A~1.5A	μ mA	0.02A~1.5A	mA	0.02A~1.5A		
(r.m.s)	Resolution	0.01A							
` '		11/14 0 40: 4 00: 5 0	H/M 0.4%+0.6%F.S	3.					
,	Accuracy	H/M 0.4%+1.0%F.S.							
	Accuracy	L/mA 0.4%+1.0%F.S.	L/mA 0.4%+1.0%F.	.S.					
	Range	L/mA 0.4%+1.0%F.S. 0~81.5A		.S.	~163A	0.05~	188A		
Current(Peak)		L/mA 0.4%+1.0%F.S.	L/mA 0.4%+1.0%F. 0~168.6A	.S.	~163A	0.05~	188A		

Model		SP300VAC2000W	SP300VAC3000W	SP300VAC4000W	SP300VAC5000W					
	Range	0~2040W	0~3060W	0~4080W	0~5100W					
Power	Resolution	0.1W								
	Accuracy	0.4% of setting + 1.0% F.S. a	at PF>0.2, Voltage>5V							
Power	Range	0~2040VA	0~3060VA	0~4080VA	0~5100VA					
Apparent	Resolution	0.1VA	0 0000111	0 1000171	0 0.00171					
(VA)	Accuracy	Voltage*Irms, Calculated va	alue							
Power	Range	0~2040VAR	0~3060VAR	0~4080VAR	0~5100VAR					
Resistive	Resolution	0.1VAR	0-3000 VAIX	0-4000VAIX	0-3100VAIX					
(VAR)	Accuracy									
		√(VA)²-(W)², Calculated valu	ie							
Power	Range	0.00~1.00								
Factor	Resolution	0.01								
(PF)	Accuracy	W/VA, Calculated value								
Harmonic	Range ^[4]	2~40 orders								
Remote Sense	Range	5V(rms), Max. Total power I	Extra Function							
Remote Sense	Runge									
0. 5.			C Voltage 0.001~1200.000V/ms and Disable							
Slew Rate	Range	DC Voltage 0.001~1000.00								
		Frequency 0.001~1600.000	Hz/ms and Disable							
Transient		Trans-Start: 0.0~66.5ms @	15Hz, Resolution: 0.1ms							
Generator	Panga	Trans-Volt: -212V~+212V(L), -424V~+424V(H), Resolution: 0.1V	1						
(only for	Range	Trans-Time: 0.0~66.5ms @	15Hz, Resolution: 0.1ms							
15~70Hz)		Trans-Count: 0~9999, Cons	tant							
Calibration		·	through the digital interface or front	t panel						
Test Function		Yes	tinough the digital interface of from	, pano.						
Parallel Output fo	r 1 Phase		Remote I/O & Parallel Multinhase Lir	nk Card)						
		Yes, 4 Units Max. (Option: Remote I/O & Parallel, Multiphase Link Card) Yes, 2 Units Max. (Option: Remote I/O & Parallel, Multiphase Link Card)								
Series Output for		Yes, (Option: Remote I/O & Parallel, Multiphase Link Card)								
Link Output for 3	riiase	res, (Option: Remote 1/0 &	General							
Graphic Display		5.6" Color touch LCD	General							
Operation Key Fea	ature		Soft key, Numeric key, Rotary Knob, USB port for transfer and upgrading firmware							
Rack mount Hand		Yes	y Knob, oob port for transfer and up	ograding minware						
FAN	nes									
Protection Circuit		Temperature Control		0001100 000						
	S		PRI_UVP,PRI_OVP,PRI_OTP,PRI	_0CP,USB_0CP						
Interface		Standard USB, RS-485, RS-2		tariation (Oution)						
			Control Input/Output Signal Charac							
Remote Input Sign	nal		ger for execution of programmed va							
		Signal: ON/OFF, RESET, KEEP OFF, Recall program memory 1 through 7								
Remote Output Si	ignal	Signal output indicating that a test mode is present								
		Signal: PASS, FAIL, TEST-IN-PROCESS								
External Signal Wa	aveform Input		Signal input for output voltage waveform programming by external analog							
3		reference via BNC type. Between the sync signal and the output wave will be 0.5ms time difference								
			Environment							
Operating Temper		0°C~40°C								
Storago Tomporal	ture	-40°C ~ 85°C								
Storage Temperat		73dBA Max.								
Fan Noise										
		2000m								
Fan Noise	,	5%~95%, non-condensing								
Fan Noise Altitude		5%~95%, non-condensing	opm/°C at Current, 100ppm/°C at Fr	equency						
Fan Noise Altitude Relative Humidity Temperature Coe	fficient	5%~95%, non-condensing 100ppm/°C at Voltage, 300p	Mechanical	equency						
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H	fficient I*D)	5%~95%, non-condensing 100ppm/°C at Voltage, 300p 423.0x133.0x520.0 mm	Mechanical 423.0x177.0x520.0 mm	equency						
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi	fficient I*D)	5%~95%, non-condensing 100ppm/°C at Voltage, 300p 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm	equency						
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi	fficient I*D)	5%~95%, non-condensing 100ppm/°C at Voltage, 300p 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm 21.4kg	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg	equency						
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi	fficient I*D)	5%~95%, non-condensing 100ppm/°C at Voltage, 300p 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg 32.0kg	equency						
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi	fficient I*D)	5%~95%, non-condensing 100ppm/*C at Voltage, 300p 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm 21.4kg 24.4kg	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg 32.0kg Regulatory Compliance							
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi Unit Weight Shipping Weight	fficient I*D)	5%~95%, non-condensing 100ppm/*C at Voltage, 300µ 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm 21.4kg 24.4kg	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg 32.0kg Regulatory Compliance ve 2014/30/EU/EN61326-1: 2013 C		15 of the FCC Rules.					
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi Unit Weight Shipping Weight	fficient I*D)	5%~95%, non-condensing 100ppm/*C at Voltage, 300µ 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm 21.4kg 24.4kg	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg 32.0kg Regulatory Compliance ve 2014/30/EU/EN61326-1: 2013 C	lass A for emissions cation of conformity for CFR 47 Part	15 of the FCC Rules.					
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi	fficient I*D)	5%~95%, non-condensing 100ppm/*C at Voltage, 300p 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm 21.4kg 24.4kg CE marked for EMC Directi and immunity standard as in CE marked for LVD Directive	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg 32.0kg Regulatory Compliance ve 2014/30/EU/EN61326-1: 2013 C equired for EU CE Mark. FCC Verific	lass A for emissions ation of conformity for CFR 47 Part ion as required for EU CE Mark.	15 of the FCC Rules.					
Fan Noise Altitude Relative Humidity Temperature Coe Dimensions (W*H Package Dimensi Unit Weight Shipping Weight EMC Safety	fficient I*D)	5%~95%, non-condensing 100ppm/*C at Voltage, 300p 423.0x133.0x520.0 mm 643.0x278.5x802.0 mm 21.4kg 24.4kg CE marked for EMC Directi and immunity standard as in CE marked for LVD Directive	Mechanical 423.0x177.0x520.0 mm 643.0x323.0x802.0 mm 29.0kg 32.0kg Regulatory Compliance ve 2014/30/EU/EN61326-1: 2013 Crequired for EU CE Mark. FCC Verific e 2014/35/EU/EN61010-1-third edit tegory II; Pollution Degree 2; Class II	lass A for emissions ation of conformity for CFR 47 Part ion as required for EU CE Mark.	15 of the FCC Rules.					

^[1] Only Professional Version units support 15.00~1200.00Hz.

^[2] Only Professional Version units support Programmable Output Impedance function.

^[3] Only Professional Version units support Harmonics & Inter-harmonics Simulation function.

^[4] Only Professional Version units support Harmonics function.

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SPS300VAC10000W-4-17	3	5
SPS300VAC15000W-4-17	3	5
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Selection List:

Model	Voltage	Current	Power	Connection type	Size	Corresponding page
SPS300VAC1200W-2-9	300V	10.08A/5.04A	1200W	2Parallel	9U	P23
SPS300VAC1800W-2-9	300V	15.12A/7.56A	1800W	3Parallel	9U	P23
SPS300VAC2400W-2-17	300V	20.16A10.08A	2400W	4Parallel	17U	P23
SPS300VAC2000W-2-9	300V	15.56A/8.28A	2000W	2Parallel	9U	P25
SPS300VAC3000W-2-9	300V	24.84A/12.42A	3000W	3Parallel	9U	P25
SPS300VAC4000W-2-17	300V	33.12A/15.56A	4000W	4Parallel	17U	P25
SPS300VAC3000W-2-9	300V	24.84A/12.42A	3000W	2Parallel	9U	P27
SPS300VAC4500W-2-9	300V	37.26A/18.63A	4500W	3Parallel	9U	P27
SPS300VAC6000W-2-17	300V	49.68A/24.84A	6000W	4Parallel	17U	P27
SPS300VAC4000W-3-17	300V	28.8A/14.4A	4000W	2Parallel	17U	P29
SPS300VAC6000W-3-17	300V	43.2A/21.6A	6000W	3Parallel	17U	P29
SPS300VAC8000W-3-17	300V	57.6A/28.8A	8000W	4Parallel	17U	P29
SPS300VAC6000W-4-17	300V	49.68A/24.84A	6000W	2Parallel	17U	P31
SPS300VAC9000W-4-17	300V	74.52A/37.26A	9000W	3Parallel	17U	P31
SPS300VAC12000W-4-21	300V	99.36A/49.68A	12000W	4Parallel	21U	P31
SPS300VAC8000W-4-17	300V	57.6A/28.8A	8000W	2Parallel	17U	P33
SPS300VAC12000W-4-17	300V	86.4A/43.2A	12000W	3Parallel	17U	P33
SPS300VAC16000W-4-21	300V	115.2A/57.6A	16000W	4Parallel	21U	P33
SPS300VAC10000W-4-17	300V	82.8A/41.4A	10000W	2Parallel	17U	P35
SPS300VAC15000W-4-17	300V	124.2A/62.1A	15000W	3Parallel	17U	P35
SPS300VAC20000W-4-21	300V	165.6A/82.8A	20000W	4Parallel	21U	P35

^{*}This formula is the standard cabinet for SP-300 series 2U/3U/4U model. It is available to select cabinet with different specification according to exact situation. Detail please consults our area manager.

MODEL		SPS300VAC1200W-2-9	SPS300VAC1800W-2-9	SPS300VAC2400W-2-17			
\/altaaa		00. 0057/40	Input				
Voltage		90~265VAC					
Frequency		47~63Hz					
Phase		3 Phase, 4Wire+Groud/Y Connect	204	101			
Max.Current Power Factor		20A	30A	40A			
at 220VAC Input, F	ull	≥0.91, Active PFC					
Efficiency		>82% (Peak)					
Linciency		>80% at 220VAC, 50Hz input/230V	'AC, 50Hz output)				
			Output				
AC Power(Total)[1]		1080VA	1620VA	2160VA			
Max.Current	0~150V(L)	10.08A	15.12A	20.16A			
(r.m.s) ^[1]	0~300V(H)	5.04A	7.56A	10.08A			
Max.Current	0~150V(L)	58.32A	87.48A	116.64A			
(Peak) ^[1]	0~300V(H)	29.16A	43.74A	58.32A			
	Range	0~300VAC,150V/300V/Auto					
Voltage(AC)	Resolution	0.1 V	21				
	Accuracy	0.2% of setting + 0.8%F.S, at Voltage	ge >3V				
Phase Angle	Range	0~359.9°					
(Starting /Ending)	Resolution	0.1°					
	Accuracy	±1° @45~65HZ					
Current OC	Range	0.1 A					
Fold Mode	Resolution	2.0% of setting + 2.0% F.S.					
	Response Time	<1400ms					
	Range	15~1000HZ Full Range Adjust	10001				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100~1000Hz					
	Accuracy	0.03% of setting					
4= =>	Range	0~424Vdc,212V/424V/Auto					
Voltage(DC)	Resolution		0.1V				
	Accuracy	0.3% of setting + 0.8%F.S, at Voltage > 3V					
Max.Current(L/H Range)(Total)	0~150V(L)	L 7.128A	L 10.692A	L 14.256A			
range)(Total)	0~300V(H)	H 3.402A	H 5.103A	H 6.804A			
Ripple & Noise(r.m	.s)	L <1000mVrms @ Bandwidth 20H					
Disals 0 Naiss/Da	-1-3	H <1500mVrms @ Bandwidth 20H					
Ripple & Noise(Pea	ak)	<4000mVp-p @ Bandwidth 20HZ	Other Parameters				
		<0.5% (Pasistive Load) at 15.0~70		AC at Low Pange or the 160~280VAC at High Pange			
		<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range					
Total Harmonia Di	etertion(TUD)	<1% (Pecietive Load) at 70 1~500k	<1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range				
Total Harmonic Di	stortion(THD)						
	stortion(THD)	<1.5% (Resistive Load) at 501~100					
Total Harmonic Di	stortion(THD)	<1.5% (Resistive Load) at 501~100 ≤6	00Hz and output voltage within the 80~140V.				
	stortion(THD)	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive	00Hz and output voltage within the 80~140V e Load)				
Crest Factor(CF) Load Regulation	stortion(THD)	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistiv	00Hz and output voltage within the 80~140V e Load)				
Crest Factor(CF) Load Regulation Line Regulation		<1.5% (Resistive Load) at $501\sim100$ ≤ 6 $\pm 0.5\%$ F.S. @15 ~100 HZ (Resistive $\pm 0.8\%$ F.S. @ Others Freq (Resistive ± 0.1 V	00Hz and output voltage within the 80~140V e Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support	00Hz and output voltage within the 80~140V e Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out		<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support	00Hz and output voltage within the 80~140V e Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance armonics Simulation	<1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support	00Hz and output voltage within the 80~140V. e Load) re Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance	<1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC	00Hz and output voltage within the 80~140V. e Load) re Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC	00Hz and output voltage within the 80~140V. e Load) re Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance armonics Simulation Range Resolution	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V	00Hz and output voltage within the 80~140V. e Load) e Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V	00Hz and output voltage within the 80~140V. e Load) re Load)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (Note that the content of the conte	00Hz and output voltage within the 80~140V. e Load) e Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution Accuracy Range	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S. 15~1000HZ	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.) 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (Not DC 0.3% of setting + 0.4%F.S.) 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100) 0.1% of setting	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna Voltage Frequency	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100 0.1% of setting H 0.15A~5.6A M -	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.) 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100) 0.1% of setting H 0.15A~5.6A	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)				
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Internation Voltage Frequency	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (Nother = 0.2%) AC 0.3% of setting + 0.4%F.S. (Nother = 0.3%) AC 0.3% of setting + 0.4%F.S. (Nother = 0.3%) AC 0.3% of setting + 0.4%F.S. (Nother = 0.3%) BC 0.3% of setting + 0.4%F.S. (Nother = 0.3%) C 0.3% of setting + 0.4%F.S. (Nother = 0.3%) C 0.3% of setting + 0.4%F.S. (Nother = 0.3%) C 0.3% of setting + 0.4%F.S. (Nother = 0.3%) C 0.3% of setting + 0.4%F.S. (Nother = 0.3%) AC 0.3% of setting + 0.4%F.S. (Nother = 0.3%) C 0.3% of setting + 0.4%F.S. (No	20Hz and output voltage within the 80~140V. e Load) re Load) Measurent(Master)	AC at Low Range or the 160~280VAC at High Range			

MODEL		SPS300VAC1200W-2-9	SPS300VAC1800W-2-9	SPS300VAC2400W-2-17	
	Range	0A~32.4A			
Current(Peak)	Resolution	0.01A			
	Accuracy	0.4%+1.5%F.S.			
	Range	0~600W			
Power	Resolution	0.1W			
	Accuracy	0.4% of setting +1%F.S. at PF>0.2, Voltage >5V			
	Range	0~612VA			
Power Apparent	Resolution	0.1VA			
(VA)	Accuracy	Voltage * Irms, Calculated value			
	Range	0~612VAR			
Power Resistive	Resolution	0.1VAR			
(VAR)	Accuracy	$\sqrt{(VA)^2-(W)^2}$, Calculated value			
	Range	., , , , ,			
Power Factor		0.00~1.00			
(PF)	Resolution	0.01			
	Accuracy	W/VA, Calculated value			
Harmonic		Not Support			
		H 0.15A~10.08A	H 0.15A~15.12A	H 0.15A~20.16A	
	Range ^[1]	M -			
Σ Current		L 0.1A~5.4A	L 0.1A~8.1A	L 0.1A~10.8A	
		mA -			
	Resolution	0.01A			
	Accuracy	0.4%+1.0%F.S.			
	Range ^[1]	0~1080W	0~1620W	0~2160W	
Σ Current	Resolution	0.1W			
	Accuracy	0.4% of setting +0.3%F.S at PF > 0.2	, Voltage > 5V		
			Extra Function		
			Extra r unction		
Remote Sense	Range	5V(rms), Max. Total power less than			
Remote Sense	Range	5V(rms), Max. Total power less than AC Voltage 0.001~1200.000V/ms	n rated power		
Remote Sense	Range Range		n rated power s and Disable		
	_	AC Voltage 0.001~1200.000V/ms	n rated power and Disable and Disable		
	_	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms	n rated power s and Disable s and Disable ns and Disable		
Slew Rate Transient	Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m	n rated power s and Disable a and Disable ns and Disable esolution: 0.1ms		
Slew Rate	Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, Rd	n rated power s and Disable s and Disable s and Disable solution: 0.1ms /~+424V(H),Resolution: 0.1V		
Slew Rate Transient Generator(only for	Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , Rt Trans-Volt: -212V~+212V(L), -424V	n rated power s and Disable s and Disable s and Disable solution: 0.1ms /~+424V(H),Resolution: 0.1V		
Slew Rate Transient Generator(only for	Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , Rt	n rated power s and Disable s and Disable ns and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms		
Slew Rate Transient Generator(only for 15-70HZ)	Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz, Rt Trans-Cycle: 0~9999, Constant	n rated power s and Disable s and Disable ns and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms		
Transient Generator(only for 15-70HZ)	Range Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, Re Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz, R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD	n rated power s and Disable s and Disable ns and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms	are	
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display	Range Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, Re Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz, R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD	n rated power s and Disable s and Disable ns and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel	are	
Transient Generator(only for 15-70HZ) Calibration ^{III} Graphic Display Operation Key Featu	Range Range	AC Voltage 0.001~1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, R Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz, R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3* Color touch LCD Soft key, Numberic key, Rotary Knot	n rated power s and Disable s and Disable ns and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel	are	
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle	Range Range	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz, R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel b, USB port for transfer and upgrading firmwa	are	
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits	Range Range	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP,	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel b, USB port for transfer and upgrading firmwa	are	
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits	Range Range	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz, Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz, R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel b, USB port for transfer and upgrading firmwale. PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional	are	
Transient Generator(only for 15-70HZ) Calibration ^[5] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface	Range Range	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel b, USB port for transfer and upgrading firmwa	are	
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera	Range Range ure	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel b, USB port for transfer and upgrading firmwale. PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional	are	
Transient Generator(only for 15-70HZ) Calibration ^{DI} Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu	Range Range ure	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , Rt Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel o, USB port for transfer and upgrading firmwall PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional Environment		
Transient Generator(only for 15-70HZ) Calibration ^{DI} Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise	Range Range ure	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R: Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R: Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max.	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel b, USB port for transfer and upgrading firmwale. PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional	are 58dB Min; 79dB Max.	
Transient Generator(only for 15-70HZ) Calibration ¹²¹ Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude	Range Range ure	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel o, USB port for transfer and upgrading firmwall PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional Environment		
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	Range Range Range ture es	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	n rated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel p, USB port for transfer and upgrading firmwa pRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional Environment 56.8dB Min; 77.8dB Max.		
Transient Generator(only for 15-70HZ) Calibration ¹²¹ Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude	Range Range Range ture es	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	arrated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel p, USB port for transfer and upgrading firmwa p, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. at Current,100ppm/°C at Frequency		
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatur Fan Noise Altitude Relative Humidity Temperature Coeffi	Range Range ture es	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R: Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R: Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRL_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	an rated power and Disable and Disable as and Disab	58dB Min; 79dB Max.	
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lu	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R: Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R: Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	arrated power s and Disable s and Disable esolution: 0.1ms /~+424V(H),Resolution: 0.1V esolution: 0.1ms the digital interface or front panel o, USB port for transfer and upgrading firmwa PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP IB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. at Current,100ppm/°C at Frequency Mechanical 540.0x400.0x640.0 mm	58dB Min; 79dB Max. 560.0x754.0x700.0 mm	
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx Package Dimensions	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lu	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R: Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R: Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	arrated power and Disable and Disable as and Disabl	58dB Min; 79dB Max. 560.0x754.0x700.0 mm 680.0x1120.0x860.0 mm	
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx Package Dimension Unit Weight	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lu	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R: Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R: Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/*C at Voltage, 300ppm/*C 540.0x400.0x640.0 mm 660.0x710.0x760.0 mm 72.8kg	an rated power and Disable and Disable as and Disab	58dB Min; 79dB Max. 560.0x754.0x700.0 mm 680.0x1120.0x860.0 mm 133.6kg	
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx Package Dimensions	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lu	AC Voltage 0.001-1200.000V/ms DC Voltage 0.001~1000.000V/ms Frequency 0.001~1600.000HZ/m Trans-Start: 0.0~66.5ms@15Hz , R Trans-Volt: -212V~+212V(L), -424V Trans-Time: 0.0~66.5ms@15Hz , R Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knot Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, GP 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C 540.0x400.0x640.0 mm 660.0x710.0x760.0 mm 72.8kg 89.7kg	arrated power and Disable and Disable as and Disabl	58dB Min; 79dB Max. 560.0x754.0x700.0 mm 680.0x1120.0x860.0 mm	

^[1] In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

		SPS300VAC2000W-2-9	SPS300VAC3000W-2-9	SPS300VAC4000W-2-17		
Voltago		90~265VAC	Input			
Voltage						
Frequency Phase		47~63Hz 3 Phase, 4Wire+Groud/Y Connect				
Max.Current		30A	45A	60A		
Power Factor			400	00A		
at 220VAC Input, Full		≥0.95, Active PFC				
Efficiency		>86% (Peak)				
		>84% at 220VAC, 50Hz input/230V/				
40 D (T + 1)[1]		1800VA	Output 2700VA	3600VA		
AC Power(Total)[1]	0 150\/(1)	16.56A	24.84A	33.12A		
Max.Current (r.m.s) ^[1]	0~150V(L) 0~300V(H)	8.28A	12.42A	16.56A		
,	0~300V(H)	99.36A	149.04A	198.72A		
Max.Current (Peak)[1]	0~300V(H)	49.68A	74.52A	99.36A		
(*)		0~300VAC,150V/300V/Auto				
Voltage(AC) Range Resolution		0.1 V				
voltage(AC)	Accuracy	0.2% of setting + 0.8%F.S, at Voltag	ie >3V			
	Range	0~359.9°				
Phase Angle	Resolution	0.1°				
(Starting /Ending)	Accuracy	±1° @45~65HZ				
	Range	0.1 A				
Current OC	Resolution	2.0% of setting+2.0%F.S.				
Fold Mode	Response Time	<1400ms				
	Range	15~1000HZ Full Range Adjust				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100~	-1000Hz			
requestoy	Accuracy	0.03% of setting				
	Range	0~424Vdc,212V/424V/Auto				
Voltage(DC)	Resolution	0.1V				
ronago(20)	Accuracy	0.3% of setting+0.8%F.S, at Voltage > 3V				
Max.Current(L/H	0~150V(L)	L 11.7A	L 17.55A	L 23.4A		
Range)(Total)	0~300V(H)	H 5.94A	H 8.91A	H 11.88A		
	3 223.(4.)	L <1000mVrms @ Bandwidth 20H		1.1.1.1.2.1		
Ripple & Noise(r.m	.s)	H <1500mVrms @ Bandwidth 20H				
Ripple & Noise(Pea	ak)	<4000mVp-p @ Bandwidth 20HZ				
			Other Parameters			
		<0.5% (Resistive Load) at 15.0~70.	.0Hz and output voltage within the 80~140VA	C at Low Range or the 160~280VAC at High Range		
		<0.5% (Resistive Load) at 15.0~70.0Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range (1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range				
Total Harmonic Di	stortion(THD)		Iz and output voltage within the 80~140VAC	at Low Range or the 160~280VAC at High Range		
Total Harmonic Di	stortion(THD)	<1% (Resistive Load) at 70.1~500F				
Total Harmonic Di	stortion(THD)	<1% (Resistive Load) at 70.1~500F				
Crest Factor(CF)	stortion(THD)	<1% (Resistive Load) at 70.1~500H <1.5% (Resistive Load) at 501~100	0Hz and output voltage within the 80~140VA			
	stortion(THD)	<1% (Resistive Load) at 70.1~500H <1.5% (Resistive Load) at 501~100 ≤6	0Hz and output voltage within the $80\sim140$ VALOad)			
Crest Factor(CF)	stortion(THD)	<1% (Resistive Load) at 70.1~500H <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive	0Hz and output voltage within the $80\sim140$ VALOad)			
Crest Factor(CF) Load Regulation Line Regulation		<1% (Resistive Load) at 70.1~500H <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V	0Hz and output voltage within the $80\sim140$ VALOad)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance	<1% (Resistive Load) at 70.1~500H <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support	0Hz and output voltage within the $80\sim140$ VALOad)			
Crest Factor(CF) Load Regulation Line Regulation	put Impedance	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support	0Hz and output voltage within the $80\sim140$ VALOad)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance armonics Simulation	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support	0Hz and output voltage within the 80~140VA Load) e Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC	0Hz and output voltage within the 80~140VA Load) e Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance armonics Simulation	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support	0Hz and output voltage within the 80~140VA Load) e Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V	0Hz and output voltage within the 80~140VA Load) e Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution	<pre><1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No.)</pre>	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.)	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.) 15~1000HZ	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.) 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.) 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100 0.1% of setting	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha Voltage Frequency	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S.) 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100 0.1% of setting H 0.15A~9.2A	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<pre><1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100 0.1% of setting H 0.15A~9.2A M -</pre>	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Internation Voltage Frequency	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<pre><1% (Resistive Load) at 70.1~500F <1.5% (Resistive Load) at 501~100 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (No DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~100 0.1% of setting H 0.15A~9.2A M - L 0.1A~3A</pre>	OHz and output voltage within the 80~140VA Load) e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)	at Low Range or the 160~280VAC at High Range C at Low Range or the 160~280VAC at High Range		

MODEL		SPS300VAC2000W-2-9	SPS300VAC3000W-2-9	SPS300VAC4000W-2-17		
	Range	0A~55.2A				
Current(Peak)	Resolution	0.01A				
	Accuracy	0.4%+1.5%F.S.				
	Range	0~1000W				
Power	Resolution	0.1W				
	Accuracy	0.4% of setting +1%F.S. at PF>0.2, Voltage >5V				
	Range	0~1020VA				
Power Apparent	Resolution	0.1VA				
(VA)	Accuracy	Voltage * Irms, Calculated value				
	Range	0~1020VAR				
Power Resistive	Resolution	0.1VAR				
(VAR)	Accuracy	$\sqrt{(VA)^2 - (W)^2}$, Calculated value				
	Range	., , , , .				
Power Factor	-	0.00~1.00				
(PF)	Resolution	0.01				
	Accuracy	W/VA, Calculated value				
Harmonic		Not Support				
		H 0.15A~16.56A	H 0.15A~24.84A	H 0.15A~33.12A		
	Range ^[1]	M -				
Σ Current	9-	L 0.1A~5.4A	L 0.1A~8.1A	L 0.1A~10.8A		
		mA -				
	Resolution	0.01A				
	Accuracy	0.4%+1.0%F.S.				
	Range ^[1]	0~1800W	0~2700W	0~3600W		
Σ Current	Resolution	0.1W				
	Accuracy	0.4% of setting +0.3%F.S at PF >0.	2, Voltage > 5V			
			Extra Function			
Remote Sense	Range	5V(rms), Max. Total power less tha	n rated power			
		AC Voltage 0.001~1200.000V/m	s and Disable			
Slew Rate	Range	DC Voltage 0.001~1000.000V/m	s and Disable			
		Frequency 0.001~1600.000HZ/r	ns and Disable			
		Trans-Start: 0.0~66.5ms@15Hz,F	Resolution: 0.1ms			
Transient		Trans-Volt : -212V~+212V(L), -424	V~+424V(H), Resolution : 0.1V			
Generator(only for 15-70HZ)	Range	Trans-Time: 0.0~66.5ms@15Hz,I				
13-70112)		Trans-Cycle : 0~9999, Constant				
Calibration ^[2]						
Graphic Display		Firmware-based calibration through the digital interface or front panel 4.3' Color touch LCD				
Grapine Display			1 1100 11 11 11 11			
Operation Key Feat	ura			ro.		
Operation Key Featu			b, USB port for transfer and upgrading firmwa	ire		
Rack mount Handle		Yes	b, USB port for transfer and upgrading firmwa	rre		
Rack mount Handle		Yes Temperature Control		re		
Rack mount Handle FAN Protection Circuits		Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP	rre		
Operation Key Featu Rack mount Handle FAN Protection Circuits Interface		Yes Temperature Control	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional	rre		
Rack mount Handle FAN Protection Circuits Interface	es	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP	rre		
Rack mount Handle FAN Protection Circuits Interface Operating Tempera	es	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional	rre		
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu	es	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu	es	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional	sedB Min; 79dB Max.		
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise	es	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude	es	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max.	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	es sture ure	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	es sture ure	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max.			
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity Temperature Coeffi	es nture ure	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max.			
Rack mount Handle FAN Protection Circuits	es sture ure	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. at Current,100ppm/°C at Frequency Mechanical	58dB Min; 79dB Max.		
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx Package Dimension	es sture ure	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C 540.0x400.0x640.0 mm 660.0x710.0x760.0 mm	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. at Current,100ppm/°C at Frequency Mechanical 540.0x400.0x640.0 mm 680.0x710.0x760.0 mm	58dB Min; 79dB Max. 560.0x754.0x700.0 mm		
Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx	es sture ure	Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. at Current,100ppm/°C at Frequency Mechanical 540.0x400.0x640.0 mm	58dB Min; 79dB Max. 560.0x754.0x700.0 mm 680.0x1120.0x860.0 mm		

^[1] In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

MODEL		SPS300VAC3000W-2-9	SPS300VAC4500W-2-9	SPS300VAC6000W-2-17		
N. II		100 04514/ -	Input			
Voltage		100~265VAC				
Frequency		47~63Hz				
Phase		3 Phase, 4Wire+Groud/Y Connect	F7A	764		
Max.Current Power Factor		38A	57A	76A		
at 220VAC Input, F	ull	≥0.97, Active PFC				
Efficiency		>87% (Peak)				
·		>86% at 220VAC, 50Hz input/230\	/AC, 50Hz output) Output			
AC Dawer(Tatal)[1]		2700VA	4050VA	5400VA		
AC Power(Total)	0~150V(L)	24.84A	37.26A	49.68A		
Max.Current (r.m.s) ^[1]	0~130V(L)	12.42A	18.63A	24.84A		
, ,	0~150V(L)	149.04A	223.56A	298.08A		
Max.Current (Peak)[1]	0~300V(H)	74.52A	111.78A	149.04A		
	Range	0~300VAC,150V/300V/Auto				
Voltage(AC) Resolution		0.1 V				
J ()	Accuracy	0.2% of setting+0.8%F.S, at Volta	ge >3V			
	Range	0~359.9°				
Phase Angle (Starting /Ending)	Resolution	0.1°				
(Ottarting / Ending)	Accuracy	±1° @45~65HZ				
	Range	0.1 A				
Current OC Fold Mode	Resolution	2.0% of setting+2.0%F.S.				
Tota Wode	Response Time	<1400ms				
	Range	15~1000HZ Full Range Adjust				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100	~1000Hz			
	Accuracy	0.03% of setting				
	Range	0~424Vdc,212V/424V/Auto				
Voltage(DC)	Resolution	0.1V				
	Accuracy	0.3% of setting+0.8%F.S, at Voltage > 3V				
Max.Current(L/H Range)(Total)	0~150V(L)	L 17.568A	L 26.352A	L 35.136A		
range)(Total)	0~300V(H)	H 8.784A	H 13.176A	H 17.568A		
Ripple & Noise(r.m	.s)	L <1000mVrms @ Bandwidth 20H H <1500mVrms @ Bandwidth 20H				
Ripple & Noise(Pea	ak)	<4000mVp-p @ Bandwidth 20HZ				
nappie a reside(i el		rooming p @ Banamati 20112	Other Parameters			
		<0.5% (Resistive Load) at 15.0~70		AC at Low Range or the 160~280VAC at High Range		
Total Harmonic Di	stortion(THD)	<1% (Resistive Load) at 70.1~500	<1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range			
Total Harmonic Di	stortion(THD)	, ,				
Total Harmonic Di	stortion(THD)	, ,				
Crest Factor(CF)	stortion(THD)	<1.5% (Resistive Load) at 501~10	00Hz and output voltage within the 80~140V/			
	stortion(THD)	<1.5% (Resistive Load) at 501~10 ≤6	00Hz and output voltage within the 80~140V			
Crest Factor(CF)	stortion(THD)	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @15~100HZ (Resistive	00Hz and output voltage within the 80~140V			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support	00Hz and output voltage within the 80~140V			
Crest Factor(CF) Load Regulation Line Regulation	put Impedance	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support	00Hz and output voltage within the 80~140V/ e Load) re Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support	00Hz and output voltage within the 80~140VA			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance armonics Simulation	<1.5% (Resistive Load) at 501~10 ≤6 ±0.5%F.S. @15~100HZ (Resistive ±0.8%F.S. @ Others Freq (Resistive ±0.1V) Not Support AC 0~300VAC	00Hz and output voltage within the 80~140V/ e Load) re Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to 1.8%F.S. @ Others Freq (Resistive to 1.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC	00Hz and output voltage within the 80~140V/ e Load) re Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out	put Impedance armonics Simulation	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to 1.8%F.S. @ Others Freq (Resistive to 1.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V	00Hz and output voltage within the 80~140V/ e Load) re Load) Measurent(Master)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to 1.8%F.S. @ Others Freq (Resistive to 1.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N	00Hz and output voltage within the 80~140V/ e Load) re Load)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution Accuracy	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to .8%F.S. @ Others Freq (Resistive to .1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S.	00Hz and output voltage within the 80~140V/ e Load) re Load) Measurent(Master)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to .8%F.S. @ Others Freq (Resistive to .1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ	00Hz and output voltage within the 80~140V/ e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interna	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to .8%F.S. @ Others Freq (Resistive to .1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~10	00Hz and output voltage within the 80~140V/ e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range	<pre><1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~10 0.1% of setting</pre>	00Hz and output voltage within the 80~140V/ e Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive to .8%F.S. @ Others Freq (Resistive to .1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~10	00Hz and output voltage within the 80~140V/ e Load) ve Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Internation Voltage Frequency	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~10 0.1% of setting H 0.15A~13.8A	00Hz and output voltage within the 80~140V/ e Load) ve Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Interha	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @ 15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~10 0.1% of setting H 0.15A~13.8A M -	00Hz and output voltage within the 80~140V/ e Load) ve Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			
Crest Factor(CF) Load Regulation Line Regulation Programmable Out Harmonic & Internation Voltage Frequency	put Impedance armonics Simulation Range Resolution Accuracy Range Resolution Accuracy	<1.5% (Resistive Load) at 501~10 ≤6 ± 0.5%F.S. @15~100HZ (Resistive ± 0.8%F.S. @ Others Freq (Resistive ± 0.1V) Not Support AC 0~300VAC DC 0~424VDC 0.1V AC 0.2% of setting + 0.4%F.S. (N) DC 0.3% of setting + 0.4%F.S. 15~1000HZ 0.1Hz(15.0~99.9Hz),1Hz(100~10 0.1% of setting H 0.15A~13.8A M - L 0.1A~3A	00Hz and output voltage within the 80~140V/ e Load) ve Load) Measurent(Master) otees: Vpeak: 0.6% of setting+1%F.S.)			

MODEL		SPS300VAC3000W-2-9	SPS300VAC4500W-2-9	SPS300VAC6000W-2-17		
	Range	0A~82.8A				
Current(Peak)	Resolution	0.01A				
,	Accuracy	0.4%+1.5%F.S.				
	Range	0~1500W				
Power	Resolution	0.1W				
rowei	Accuracy	0.1W 0.4% of setting +1%F.S. at PF>0.2, Voltage >5V				
	Range	0~1530VA	Voltage - 0V			
Power Apparent	Resolution	0.1VA				
(VA)	Accuracy	Voltage * Irms, Calculated value				
	Range	0~1530VAR				
Power Resistive	Resolution	0.1VAR				
(VAR)	Accuracy					
	-	√(VA)²-(W)², Calculated value				
Power Factor	Range	0.00~1.00				
(PF)	Resolution	0.01				
	Accuracy	W/VA, Calculated value				
Harmonic		Not Support				
		H 0.15A~24.84A	H 0.15A~37.26A	H 0.15A~49.68A		
	Range ^[1]	M -	1 014 014			
Σ Current		L 0.1A~5.4A	L 0.1A~8.1A	L 0.1A~10.8A		
		mA -				
	Resolution	0.01A				
	Accuracy	0.4%+1.0%F.S.				
	Range ^[1]	0~2700W	0~4050W	0~5400W		
Σ Current	Resolution	0.1W				
	Accuracy	0.4% of setting +0.3%F.S at PF >0.	· •			
	_		Extra Function			
Remote Sense	Range	5V(rms), Max. Total power less tha				
	_	AC Voltage 0.001~1200.000V/m				
Slew Rate	Range	DC Voltage 0.001~1000.000V/m				
		Frequency 0.001~1600.000HZ/i	ms and Disable			
T		Trans-Start: 0.0~66.5ms@15Hz,F	Resolution: 0.1ms			
Transient Generator(only for	Range	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424	Resolution : 0.1ms V~+424V(H), Resolution : 0.1V			
Transient Generator(only for 15-70HZ)	Range	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I	Resolution : 0.1ms V~+424V(H), Resolution : 0.1V			
Generator(only for 15-70HZ)	Range	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms			
Generator(only for 15-70HZ) Calibration ^[2]	Range	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration throug	Resolution : 0.1ms V~+424V(H), Resolution : 0.1V			
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display		Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms h the digital interface or front panel			
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu	ure	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display	ure	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms h the digital interface or front panel	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu	ure	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Kno	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms h the digital interface or front panel	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Feature Rack mount Handle	ure	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3* Color touch LCD Soft key, Numberic key, Rotary Knows Yes Temperature Control	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms h the digital interface or front panel	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN	ure	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3* Color touch LCD Soft key, Numberic key, Rotary Knows Yes Temperature Control	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel St, USB port for transfer and upgrading firmwants P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits	ure	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel St, USB port for transfer and upgrading firmwants P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits	ure es	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel St, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional	are		
Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface	ure es	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, Gf	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel St, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional	are		
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera	ure es	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, Gf	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel St, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional	sre 58dB Min; 79dB Max.		
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature	ure es	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, Gi 0°C~40°C -40°C~85°C	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sub, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise	ure es	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max.	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sub, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatur Fan Noise Altitude	ure es ture tre	Trans-Start: 0.0~66.5ms @15Hz , F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms @15Hz , I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sub, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment			
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	ure es ture tre	Trans-Start: 0.0~66.5ms @15Hz , F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms @15Hz , I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sub, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max.			
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	ure es iture ire	Trans-Start: 0.0~66.5ms @15Hz , F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms @15Hz , I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sub, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max.			
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi	ure ess sture ire icient	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration througl 4.3° Color touch LCD Soft key, Numberic key, Rotary Kno Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel St, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. C at Current, 100ppm/°C at Frequency Mechanical	58dB Min; 79dB Max.		
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi	ure ess sture ire icient	Trans-Start: 0.0~66.5ms@15Hz, F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms@15Hz, I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowy Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GI 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sub, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. C at Current, 100ppm/°C at Frequency Mechanical 540.0x400.0x640.0 mm	58dB Min; 79dB Max. 560.0x754.0x700.0 mm		
Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx Package Dimension	ure ess sture ire icient	Trans-Start: 0.0~66.5ms @15Hz , F Trans-Volt: -212V~+212V(L), -424 Trans-Time: 0.0~66.5ms @15Hz , I Trans-Cycle: 0~9999, Constant Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knowy Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVI Standard USB, RS-485, RS-232, GR 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C 540.0x400.0x640.0 mm 660.0x710.0x760.0 mm	Resolution: 0.1ms V~+424V(H), Resolution: 0.1V Resolution: 0.1ms In the digital interface or front panel Sob, USB port for transfer and upgrading firmwa P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP PIB & LAN is Optional Environment 56.8dB Min; 77.8dB Max. C at Current, 100ppm/°C at Frequency Mechanical 540.0x400.0x640.0 mm 660.0x710.0x760.0 mm	58dB Min; 79dB Max. 560.0x754.0x700.0 mm 680.0x1120.0x860.0 mm		

^[1]In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

MODEL		SPS300VAC4000W-3-17	SPS300VAC6000W-3-17	SPS300VAC8000W-3-17		
Voltage		100 265/40	Input			
Voltage		190~265VAC				
Frequency Phase		47~63Hz 3 Phase, 4Wire+Groud/Y Connect				
Max.Current		28A	42A	56A		
Power Factor		≥0.99, Active PFC	720	304		
at 220VAC Input, F	ull					
Efficiency		>87% (Peak)				
_	_	>86% at 220VAC, 50Hz input/230V	AC, 50Hz output) Output			
AC Power(Total)[1]		3600VA	5400VA	7200VA		
Max.Current	0~150V(L)	28.8A	43.2A	57.6A		
(r.m.s) ^[1]	0~300V(H)	14.4A	21.6A	28.8A		
Max.Current	0~150V(L)	144A	216A	288A		
(Peak) ^[1]	0~300V(H)	72A	108A	144A		
	Range	0~300VAC,150V/300V/Auto				
Voltage(AC) Resolution		0.1 V				
J ()	Accuracy	0.2% of setting + 0.8%F.S, at Voltage	je >3V			
	Range	0~359.9°				
Phase Angle (Starting /Ending)	Resolution	0.1°				
(otarting / Erraing)	Accuracy	±1° @45~65HZ				
	Range	0.1 A				
Current OC Fold Mode	Resolution	2.0% of setting + 2.0%F.S.				
1 old Wiode	Response Time	<1400ms				
	Range	15~1000HZ Full Range Adjust				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100~	1000Hz			
	Accuracy	0.03% of setting				
	Range	0~424Vdc,212V/424V/Auto				
Voltage(DC)	Resolution	0.1V				
	Accuracy	0.3% of setting +0.8%F.S, at Voltage >3V				
Max.Current(L/H	0~150V(L)	L 20.34A	L 30.51A	L 40.68A		
Range)(Total)	0~300V(H)	H 10.17A	H 15.255A	H 20.34A		
Ripple & Noise(r.m	(c)	L <1000mVrms @ Bandwidth 20H				
Trippie & Hoise(I.III		H <1500mVrms @ Bandwidth 20H				
Ripple & Noise(Pea	ak)	<4000mVp-p @ Bandwidth 20HZ				
		.0 F% (Paristinal and) at 15 0 70	Other Parameters	/AO at Law Dance and a 160, 200\/AO at Libra Dance		
T. (-11)	(TUD)			/AC at Low Range or the 160~280VAC at High Range		
Total Harmonic Di	stortion(THD)			C at Low Range or the 160~280VAC at High Range		
O+ F+(OF)		<1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range				
Crest Factor(CF)		≤5 ± 0.5%F.S. @15~100HZ (Resistive	Load)			
Load Regulation		± 0.8%F.S. @ Others Freq (Resistive				
Line Regulation		±0.1V	c Loudy			
Programmable Out	tnut Impedance	Not Support				
Harmonic & Interha		**				
Transforme & Interne	arrionics Simulatio	u · · · · · · · ·	Measurent(Master)			
		AC 0~300VAC				
	Range	DC 0~424VDC				
Voltage	Resolution	0.1V				
			otees: Vpeak: 0.6% of setting+1%F.S.)			
	Accuracy	DC 0.3% of setting + 0.4%F.S.				
	Range	15~1000HZ				
Frequency	Resolution	0.1Hz(15.0~99.9Hz),1Hz(100~100	0Hz)			
	Accuracy	0.1% of setting				
		H 0.154204				
,,		H 0.15A~20A				
	Danas	M -				
	Range					
Current(r.m.s)	Range	M -				
	Range Resolution	M - L 0.1A~5A				

MODEL		SPS300VAC4000W-3-17	SPS300VAC6000W-3-17	SPS300VAC8000W-3-17		
	Range	0A~81.5A				
Current(Peak)	Resolution	0.01A				
` ,	Accuracy	0.4%+1.5%F.S.				
	Range	0~2040W				
Power	Resolution	0.1W				
	Accuracy	0.4% of setting +1%F.S. at PF >0.2, Voltage >5V				
	Range	0~2040VA	3			
Power Apparent	Resolution	0.1VA				
(VA)	Accuracy	Voltage * Irms, Calculated value				
	Range	0~2040VAR				
Power Resistive	Resolution	0.1VAR				
(VAR)	Accuracy	$\sqrt{(VA)^2-(W)^2}$, Calculated value				
	Range	0.00~1.00				
Power Factor	Resolution	0.01				
(PF)	Accuracy	W/VA, Calculated value				
Harmonic	Accuracy	Not Support				
Tidifficine		H 0.15A~28.8A	H 0.15A~43.2A	H 0.15A~57.6A		
		M -	11 0.10/1 40.2/1	11 0.13A-37.0A		
	Range ^[1]	L 0.1A~9A	L 0.1A~13.5A	L 0.1A~18A		
Σ Current		mA 0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A		
	Resolution	0.01A	IIIA 0.02-4.03A	111A 0.02-0.4A		
	Accuracy	0.4%+1.0%F.S.				
	Range ^[1]	0.4%+1.0%F.3.	0~5508W	0~7344W		
Σ Current	Resolution	0~3762W 0.1W	U~3506W	U~7344VV		
2 Current	Accuracy	0.4% of setting +0.3%F.S at PF >0.2	2 Voltage > 5V			
	Accuracy	0.4% of Setting 10.5% .5 at 11 > 0.2	Extra Function			
Remote Sense	Range	5V(rms), Max. Total power less that				
Tremote dende	runge	AC Voltage 0.001~1200.000V/ms				
Slew Rate	Range	DC Voltage 0.001~1200.000V/ms				
Olew Nate	range	Frequency 0.001~1600.000HZ/n				
		Trans-Start: 0.0~66.5ms@15Hz,R				
Transient		Trans-Volt : -212V~+212V(L), -424V				
Generator(only for	Range	Trans-Time: 0.0~66.5ms@15Hz, R				
15-70HZ)		Trans-Cycle: 0~9999, Constant				
Calibration ^[2]		Firmware-based calibration through the digital interface or front panel				
Graphic Display		4.3" Color touch LCD	The digital interface of front panel			
Operation Key Featu	Ire		b, USB port for transfer and upgrading firmwa	iro.		
Rack mount Handle			b, 03b port for transfer and upgrading firmwa	ii e		
	25	Yes Temperature Control				
FAN Protection Circuits		· ·	PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, LA				
interrace	_	Standard 03b, N3 403, N3 232, EA	Environment			
Operating Tempera	turo	0°C~40°C	Envioliment			
Storage Temperatu						
		-40°C~85°C	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.		
Fan Noise		55dB Min; 76dB Max.	50.00D IVIIII, //.oub IVIAX.	JOUD WIIII, 7 Jub Wax.		
Altitude Relative Humidity		2000m 5%~95%, non-condensing				
Temperature Coeffi	ioiont		at Current,100ppm/°C at Frequency			
Temperature Coem	ICIEIIL	Tooppin/ Cat voltage, 300ppm/ C				
Discoursia (Atl 11	D)	F(0 0):7F4 0::702 0	Mechanical	E60 0v7E4 0v700 0		
Dimensions(WxHx		560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	560.0x754.0x700.0 mm		
Package Dimension	is(WXHXD)	680.0x1146.0x820.0 mm	680.0x1146.0x820.0 mm	680.0x1120.0x860.0 mm		
Unit Weight		112.6kg	134.0kg	155.6kg		
Shipping Weight		148.6kg	173.0kg	194.0kg		
			egulatory Compliance			
CE Mark		Installation Overvoltage Category II	; Class II equipment; indoor use only.			

^[1]In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

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MODEL		SPS300VAC6000W-4-17	SPS300VAC9000W-4-17	SPS300VAC12000W-4-21		
Valtana		100 0051/40	Input			
Voltage		190~265VAC				
Frequency		47~63Hz				
Phase Max.Current		3 Phase, 4Wire+Groud/Y Connect 40A	60A	004		
Power Factor			60A	80A		
at 220VAC Input, F	ull	≥0.98, Active PFC				
Efficiency		>86% (Peak)				
,		>85% at 220VAC, 50Hz input/230VAC,				
40.5 (T : NIII		5400VA	Output	10000//		
AC Power(Total)[1]	0. 150\/(1)	5400VA 49.68A	8100VA 74.52A	10800VA 99.36A		
Max.Current (r.m.s) ^[1]	0~150V(L) 0~300V(H)	24.84A	37.26A	49.68A		
, ,	0~300V(H)	298.08A	447.12A	596.16A		
Max.Current (Peak)[1]	0~300V(H)	149.04A	223.56A	298.08A		
	Range	0~300VAC,150V/300V/Auto	225,037	230.007		
Voltage(AC) Resolution		0.1 V				
voltage(AO)	Accuracy	0.2% of setting+0.8%F.S, at Voltage >	3V			
	Range	0~359.9°				
Phase Angle	Resolution	0.1°				
(Starting /Ending)	Accuracy	±1° @45~65HZ				
	Range	0.1 A				
Current OC Fold Mode	Resolution	2.0% of setting+2.0%F.S.				
roid Mode	Response Time	<1400ms				
	Range	15~1000HZ Full Range Adjust				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100~10	00Hz			
	Accuracy	0.03% of setting				
	Range	0~424Vdc,212V/424V/Auto				
Voltage(DC)	Resolution	0.1V				
	Accuracy	0.3% of setting+0.8%F.S, at Voltage >3V				
Max.Current(L/H	0~150V(L)	L 35.28A	L 52.92A	L 70.56A		
Range)(Total)	0~300V(H)	H 17.64A	H 26.46A	H 35.28A		
Ripple & Noise(r.m	.s)	L <1000mVrms @ Bandwidth 20HZ to				
		H <1500mVrms @ Bandwidth 20HZ t				
Ripple & Noise(Pea	ak)	<4000mVp-p @ Bandwidth 20HZ to				
			ther Parameters	/AC at Low Range or the 160~280VAC at High Range		
Total Harmonic Dis	etertion(TUD)			C at Low Range or the 160~280VAC at High Range		
Total Harmonic Di	stortion(TTID)			/AC at Low Range or the 160~280VAC at High Range		
Crest Factor(CF)		≤6	2 and output voltage within the 55 145 v	Ao at Low hange of the 100 200 Ao at high hange		
		± 0.5%F.S. @15~100HZ (Resistive Lo	ad)			
Load Regulation		± 0.8%F.S. @ Others Freq (Resistive Lo	·			
Line Regulation		±0.1V	·			
Programmable Out	put Impedance	Not Support				
Harmonic & Interha	armonics Simulatio	Not Support				
			asurent(Master)			
	Panga	AC 0~300VAC				
	Range	DC 0~424VDC				
Voltage	Resolution	0.1V				
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notes	es: Vpeak: 0.6% of setting+1%F.S.)			
		DC 0.3% of setting + 0.4%F.S.				
	Range	15~1000HZ	`			
Frequency	Resolution	0.1Hz(15.0~99.9Hz),1Hz(100~1000H	Z)			
	Accuracy	0.1% of setting				
		H 0.3A~27.6A				
	Range	M 0.2A~20A				
Current(r.m.s)		L 0.1A~5A				
	Danalui	mA 0.02~1.5A 0.01A				
	Resolution	0.4%+1.0%F.S				
	Accuracy	5				

Current(Peak) Power Power Apparent (VA)	Range Resolution Accuracy Range Resolution	0A~168.6A 0.01A 0.4%+1.5%F.S. 0~3060W				
Power Apparent	Resolution Accuracy Range	0.01A 0.4%+1.5%F.S.				
Power Apparent	Range					
Power Apparent		03060W				
Power Apparent	Resolution	0~3000W				
Power Apparent		0.1W				
	Accuracy	0.4% of setting +1%F.S. at PF > 0.2, Voltage >5V				
	Range	0~3060VA	3			
(VA)	Resolution	0.1VA				
	Accuracy	Voltage * Irms, Calculated value				
	Range	0~3060VAR				
Power Resistive	Resolution	0.1VAR				
(VAR)	Accuracy	$\sqrt{(VA)^2-(W)^2}$, Calculated value				
	Range	0.00~1.00				
Power Factor	Resolution	0.00~1.00				
(PF)		W/VA, Calculated value				
11	Accuracy					
Harmonic		Not Support	U 0 24 74 524	11.0.24.00.264		
		H 0.3A~49.68A	H 0.3A~74.52A	H 0.3A~99.36A		
	Range ^[1]	M 0.2A~36A	M 0.2A~54A	M 0.2A~72A		
Σ Current		L 0.1A~9A	L 0.1A~13.5A	L 0.1A~18A		
		mA 0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A		
	Resolution	0.01A				
	Accuracy	0.4%+1.0%F.S.				
	Range ^[1]	0~5508W	0~8262W	0~11016W		
Σ Current	Resolution	0.1W				
	Accuracy	0.4% of setting +0.3%F.S at PF > 0.2	₹, Voltage > 5V			
			Extra Function			
Remote Sense	Range	5V(rms), Max. Total power less than	n rated power			
		AC Voltage 0.001~1200.000V/ms	s and Disable			
Slew Rate	Range	DC Voltage 0.001~1000.000V/ms	and Disable			
		Frequency 0.001~1600.000HZ/m	ns and Disable			
		Trans-Start: 0.0~66.5ms@15Hz,R	esolution: 0.1ms			
Transient Generator(only for	Range	Trans-Volt : -212V~+212V(L), -424\	√~+424V(H),Resolution : 0.1V			
15-70HZ)	range	Trans-Time: 0.0~66.5ms@15Hz,R	lesolution : 0.1ms			
		Trans-Cycle: 0~9999, Constant				
Calibration ^[2]		Firmware-based calibration through	the digital interface or front panel			
Graphic Display		4.3" Color touch LCD				
Operation Key Feat	ure	Soft key, Numberic key, Rotary Knob	b, USB port for transfer and upgrading firmwar	re		
Rack mount Handl	es	Yes				
FAN		Temperature Control				
Protection Circuits	:	OCP, OVP, OPP, OTP, RCP, PRI_UVP	P, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP			
Interface		Standard USB, RS-485, RS-232, LA	N, GPIB is Optional			
			Environment			
Operating Tempera	ature	0°C~40°C				
Storage Temperatu	ıre	-40°C~85°C				
Fan Noise		55dB Min; 76dB Max.	56.8dB Min; 77.8dB Max.	58dB Min; 79dB Max.		
Altitude		2000m				
Relative Humidity		5%~95%, non-condensing				
Temperature Coeff	ficient		at Current,100ppm/°C at Frequency			
			Mechanical			
Dimensions(WxH)	(D)	560.0x754.0x700.0 mm	560.0x754.0x700.0 mm	560.0x932.0x700.0 mm		
		680.0x1146.0x820.0 mm	680.0x1146.0x820.0 mm	680.0x1297.0x820.0 mm		
Package Dimension	(128.0kg	157.0kg	224kg		
Package Dimensio						
Unit Weight			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Package Dimensio Unit Weight Shipping Weight		163.0kg	195.0kg	265kg		

^[1]In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

MODEL		SPS300VAC8000W-4-17	SPS300VAC12000W-4-17	SPS300VAC16000W-4-21		
Voltage		100 265VAC	Input			
Voltage		190~265VAC				
Frequency Phase		47~63Hz				
Max.Current		3 Phase, 4Wire+Groud/Y Connect 50A	70A	1004		
Power Factor			70A	100A		
at 220VAC Input, Full		≥0.99, Active PFC				
Efficiency		>87% (Peak)				
		>86% at 220VAC, 50Hz input/230VA				
		700014	Output	1110011		
AC Power(Total)[1]		7200VA	10800VA	14400VA		
Max.Current	0~150V(L)	57.6A	86.4A	115.2A		
(r.m.s) ^[1]	0~300V(H)	28.8A	43.2A	57.6A		
Max.Current	0~150V(L)	288A	432A	576A		
(Peak) ^[1]	0~300V(H)	144A	216A	288A		
	Range	0~300VAC,150V/300V/Auto				
Voltage(AC)	Resolution	0.1V				
	Accuracy	0.2% of setting+0.8%F.S, at Voltage >3V				
Phase Angle	Range	0~359.9°				
(Starting /Ending)	Resolution	0.1°				
	Accuracy	±1°@45~65HZ				
Current OC	Range	0.1A				
Fold Mode	Resolution	2.0% of setting + 2.0% F.S.				
	Response Time					
	Range	15~1000HZ Full Range Adjust				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100~1000Hz				
	Accuracy	0.03% of setting				
	Range	0~424Vdc,212V/424V/Auto				
Voltage(DC)	Resolution	0.1V				
	Accuracy	0.3% of setting+0.8%F.S, at Voltage >3V				
Max.Current(L/H	0~150V(L)	L 40.68A	L 61.02A	L 81.36A		
Range)(Total)	0~300V(H)	H 20.34A	H 30.51A	H 40.68A		
Ripple & Noise(r.m.	.s)	L <1000mVrms @Bandwidth 20HZ				
		H <1500mVrms @ Bandwidth 20H				
Ripple & Noise(Pea	ik)	<4000mVp-p @ Bandwidth 20HZ				
		.0 F% (D-sisting Lood) -+ 15 0 70 /	Other Parameters	0 -t		
T. (111)	(TIID)			C at Low Range or the 160~280VAC at High Range		
Total Harmonic Dis	stortion(THD)	<1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range <1.5% (Resistive Load) at 501~1000Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range				
Creat Factor(CF)			JHZ and output voltage within the 80~140VA	C at Low Range of the 160~280VAC at High Range		
Crest Factor(CF)		≤5 + 0.5%E S. @15 ~100H7 (Pacietiva	(head)			
Load Regulation		± 0.5%F.S. @15~100HZ (Resistive Load)				
Line Pegulation		± 0.8%F.S. @ Others Freq (Resistive	Loudy			
Line Regulation	nut Imnedance	±0.1V Not Support				
Programmable Out Harmonic & Interha						
narmonic & Interha	imonics simulatio		Measurent(Master)			
		AC 0~300VAC	moderatin (master)			
	Range	AC U~300VAC DC 0~424VDC				
Voltage	Danalusian					
voitage	Resolution	0.1V AC 0.2% of setting + 0.4%F.S. (Notees: Vpeak: 0.6% of setting+1%F.S.)				
	Accuracy	DC 0.3% of setting + 0.4% F.S.				
	Range	15~1000HZ				
Frequency	Resolution	0.1Hz(15.0~99.9Hz),1Hz(100~1000Hz)				
risquericy	Accuracy	0.1% of setting	,			
	, local acy	cy 0.1% of setting H 0.3A~32A				
	Range	M 0.2A~20A L 0.1A~5A				
Current(r.m.s)		L 0.1A~5A mA 0.02~1.5A				
	Resolution	0.01A				
	Accuracy	0.4%+1.0%F.S				
	, locardoy	2				

MODEL		SPS300VAC8000W-4-17	SPS300VAC12000W-4-17	SPS300VAC16000W-4-21		
	Range	0.05A~163A				
Current(Peak)	Resolution	0.01A				
	Accuracy	0.4%+1.5%F.S.				
	Range	0~4080W				
Power	Resolution	0.1W				
	Accuracy	0.4% of setting +1%F.S. at PF>0.2, Voltage >5V				
	Range	0~4080VA				
Power Apparent	Resolution	0.1VA				
(VA)	Accuracy	Voltage * Irms, Calculated value				
	Range	0~4080VAR				
Power Resistive (VAR)	Resolution	0.1VAR				
	Accuracy					
	Range	√(VA)²(W)², Calculated value				
Power Factor		0.00~1.00				
(PF)	Resolution	0.01				
	Accuracy	W/VA, Calculated value				
Harmonic		Not Support				
		H 0.3A~57.6A	H 0.3A~86.4A	H 0.3A~115.2A		
	Range ^[1]	M 0.2A~36A	M 0.2A~54A	M 0.2A~72A		
Σ Current		L 0.1A~9A	L 0.1A~13.5A	L 0.1A~18A		
		mA 0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A		
	Resolution	0.01A				
	Accuracy	0.4%+1.0%F.S.				
	Range ^[1]	0~7344W	0~11016W	0~14688W		
Σ Current	Resolution	0.1W				
	Accuracy	0.4% of setting +0.3%F.S at PF >0.2, Voltage >5V				
			Extra Function			
Remote Sense	Range	5V(rms), Max. Total power less than ra				
Remote Sense	Range		ated power			
Remote Sense	Range	5V(rms), Max. Total power less than ra	ated power nd Disable			
	-	5V(rms), Max. Total power less than ra AC Voltage 0.001~1200.000V/ms at	ated power nd Disable nd Disable			
	-	5V(rms), Max. Total power less than ra AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at	ated power nd Disable nd Disable and Disable			
Slew Rate Transient	Range	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms	ated power nd Disable nd Disable and Disable olution: 0.1ms			
Slew Rate Transient Generator(only for	Range	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms@15Hz , Reset	ated power nd Disable nd Disable and Disable olution: 0.1ms +424V(H),Resolution: 0.1V			
Slew Rate Transient	Range	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms@15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms@15Hz , Rest	ated power nd Disable nd Disable and Disable olution: 0.1ms +424V(H),Resolution: 0.1V			
Slew Rate Transient Generator(only for 15-70HZ)	Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms@15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms@15Hz , Rest Trans-Cycle: 0~9999, Constant	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms			
Slew Rate Transient Generator(only for 15-70HZ) Calibration ^[2]	Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Reset Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Reset Trans-Cycle:0~9999, Constant Firmware-based calibration through the	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms			
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display	Range Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rese Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rese Trans-Cycle: 0~9999, Constant Firmware-based calibration through th 4.3" Color touch LCD	ated power and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms are digital interface or front panel	re.		
Transient Generator(only for 15-70HZ) Calibration ^{III} Graphic Display Operation Key Featu	Range Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rese Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rese Trans-Cycle: 0~9999, Constant Firmware-based calibration through th 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, L	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms	re		
Transient Generator(only for 15-70HZ) Calibration ¹²¹ Graphic Display Operation Key Featt Rack mount Handle	Range Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rese Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rese Trans-Cycle: 0~9999, Constant Firmware-based calibration through th 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, L Yes	ated power and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms are digital interface or front panel	re		
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle	Range Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through th 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, U Yes Temperature Control	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar	re		
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits	Range Range	5V(rms), Max. Total power less than re AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through th 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, U Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRLUVP, P	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel USB port for transfer and upgrading firmwar	re		
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits	Range Range	5V(rms), Max. Total power less than read AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, Uyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRL_UVP, P Standard USB, RS-485, RS-232, LAN,	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional	re		
Transient Generator(only for 15-70HZ) Calibration ^[5] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface	Range Range	5V(rms), Max. Total power less than read AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, Uyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRL_UVP, P. Standard USB, RS-485, RS-232, LAN,	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel USB port for transfer and upgrading firmwar	re		
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera	Range Range ure	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, Uyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRL_UVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional	re		
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu	Range Range ure	5V(rms), Max. Total power less than read Coltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRLUVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment			
Transient Generator(only for 15-70HZ) Calibration ¹²¹ Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise	Range Range ure	5V(rms), Max. Total power less than read Coltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start: 0.0~66.5ms @15Hz , Rest Trans-Volt: -212V~+212V(L), -424V~ Trans-Time: 0.0~66.5ms @15Hz , Rest Trans-Cycle: 0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRLUVP, PStandard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max.	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional	re 58dB Min; 79dB Max.		
Transient Generator(only for 15-70HZ) Calibration ¹² Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude	Range Range ure	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m	ated power and Disable and Disable and Disable olution: 0.1ms +424V(H), Resolution: 0.1V olution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment			
Transient Generator(only for 15-70HZ) Calibration ¹²¹ Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	Range Range Range ture es	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	ated power and Disable and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms de digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max.			
Transient Generator(only for 15-70HZ) Calibration [1] Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	Range Range Range ture es	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m	ated power and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max. Current, 100ppm/°C at Frequency			
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatur Fan Noise Altitude Relative Humidity Temperature Coeff	Range Range Range ture ess	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	ated power and Disable and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms de digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max.			
Transient Generator(only for 15-70HZ) Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle	Range Range Range ture ess	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	ated power and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max. Current, 100ppm/°C at Frequency			
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeff Dimensions(WxHx	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lur	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, Leys Temperature Control OCP, OVP, OPP, OTP, RCP, PRLUVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C at	ated power and Disable and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms de digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max. Current, 100ppm/°C at Frequency Mechanical	58dB Min; 79dB Max.		
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatur Fan Noise Altitude Relative Humidity Temperature Coeff	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lur	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, LYes Temperature Control OCP, OVP, OPP, OTP, RCP, PRL_UVP, PStandard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C at	ated power and Disable and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V blution: 0.1ms de digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max. Current, 100ppm/*C at Frequency Mechanical 560.0x754.0x700.0 mm	58dB Min; 79dB Max. 560.0x932.0x700.0 mm		
Transient Generator(only for 15-70HZ) Calibration Graphic Display Operation Key Featt Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperature Fan Noise Altitude Relative Humidity Temperature Coeff Dimensions(WxHx Package Dimensions)	Range Range Range Lure Lure Lure Lure Lure Lure Lure Lur	5V(rms), Max. Total power less than rate AC Voltage 0.001~1200.000V/ms at DC Voltage 0.001~1000.000V/ms at Frequency 0.001~1600.000HZ/ms Trans-Start:0.0~66.5ms@15Hz, Rest Trans-Volt:-212V~+212V(L), -424V~ Trans-Time:0.0~66.5ms@15Hz, Rest Trans-Cycle:0~9999, Constant Firmware-based calibration through the 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob, Leyes Temperature Control OCP, OVP, OPP, OTP, RCP, PRLUVP, P Standard USB, RS-485, RS-232, LAN, 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C at 560.0x754.0x700.0 mm 680.0x1146.0x820.0 mm	ated power and Disable and Disable and Disable and Disable blution: 0.1ms +424V(H), Resolution: 0.1V colution: 0.1ms are digital interface or front panel JSB port for transfer and upgrading firmwar RI_OVP, PRI_OTP, PRI_OCP, USB_OCP GPIB is Optional Environment 56.8dB Min; 77.8dB Max. Current, 100ppm/°C at Frequency Mechanical 560.0x754.0x700.0 mm 680.0x1146.0x820.0 mm	58dB Min; 79dB Max. 560.0x932.0x700.0 mm 680.0x1297.0x820.0 mm		

^[1]In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

All specifications are subject to change without notice.

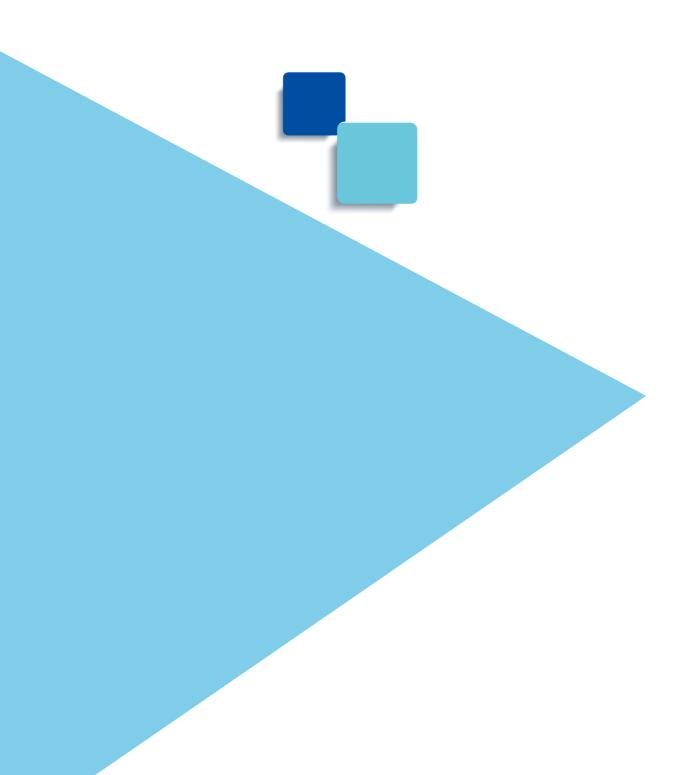
MODEL		SPS300VAC10000W-4-17	SPS300VAC15000W-4-17	SPS300VAC20000W-4-21		
V-II		100 0051/40	Input			
Voltage		190~265VAC				
Frequency Phase		47~63Hz				
		3 Phase, 4Wire+Groud/Y Connect	004	1001		
Max.Current Power Factor		60A	90A	120A		
at 220VAC Input, Full		≥0.99, Active PFC				
Efficiency		>87% (Peak)				
Efficiency		>86% at 220VAC, 50Hz input/230VA	C, 50Hz output)			
			Output			
AC Power(Total)[1]		9000VA	13500VA	18000VA		
Max.Current	0~150V(L)	82.8A	124.2A	165.6A		
(r.m.s) ^[1]	0~300V(H)	41.4A	62.1A	82.8A		
Max.Current (Peak) ^[1]	0~150V(L)	331.2A	496.8A	662.4A		
	0~300V(H)	165.6A	248.4A	331.2A		
	Range	0~300VAC,150V/300V/Auto				
Voltage(AC)	Resolution	0.1V				
	Accuracy	0.2% of setting + 0.8%F.S, at Voltage > 3V				
-	Range	0~359.9°				
Phase Angle (Starting /Ending)	Resolution	0.1°				
, J,	Accuracy	±1° @45~65HZ				
	Range	0.1A				
Current OC Fold Mode	Resolution	2.0% of setting + 2.0% F.S.				
1 old Wiode	Response Time	<1400ms				
	Range	15~1000HZ Full Range Adjust				
Frequency	Resolution	0.1Hz at 15.0~99.9Hz,1Hz at 100~1000Hz				
	Accuracy	0.03% of setting				
	Range	0~424Vdc,212V/424V/Auto				
Voltage(DC)	Resolution	0.1V				
	Accuracy	0.3% of setting + 0.8%F.S, at Voltage > 3V				
Max.Current(L/H	0~150V(L)	L 58.68A	L 88.02A	L 117.36A		
Range)(Total)	0~300V(H)	H 29.34A	H 44.01A	H 58.68A		
Dinala (Naina/ana	->	L <1000mVrms @ Bandwidth 20HZ	to 1MHZ			
Ripple & Noise(r.m	i.S)	H <1500mVrms @Bandwidth 20HZ	to1MHZ			
Ripple & Noise(Pea	ak)	<4000mVp-p @ Bandwidth 20HZ t	o1MHZ			
			Other Parameters			
		<0.5% (Resistive Load) at 15.0~70.0	Hz and output voltage within the 80~140VA	C at Low Range or the 160~280VAC at High Range		
Total Harmonic Di	stortion(THD)	<1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range				
		<1.5% (Resistive Load) at 501~1000	Hz and output voltage within the 80~140VA	C at Low Range or the 160~280VAC at High Range		
Crest Factor(CF)		≤4				
Load Regulation		± 0.5%F.S. @15~100HZ (Resistive Load)				
		± 0.8%F.S. @ Others Freq (Resistive Load)				
Line Regulation		±0.1V				
Programmable Out		Not Support				
Harmonic & Interha	armonics Simulatio					
			Measurent(Master)			
	Range	AC 0~300VAC				
	lango	DC 0~424VDC				
Voltage	Resolution	0.1V				
	Accuracy	AC 0.2% of setting + 0.4%F.S. (Notees: Vpeak: 0.6% of setting+1%F.S.)				
		DC 0.3% of setting+0.4%F.S.				
	Range	15~1000HZ				
Frequency	Resolution	0.1Hz(15.0~99.9Hz),1Hz(100~1000Hz)				
	Accuracy	0.1% of setting				
		H 0.3A~46A				
	Pango	M 0.2A~20A				
	Range					
Current(r m s)	Range	L 0.1A~5A				
Current(r.m.s)	Range					
Current(r.m.s)	Range Resolution	L 0.1A~5A				

		SPS300VAC10000W-4-17	SPS300VAC15000W-4-17	SPS300VAC20000W-4-21	
	Range	0.05A~188A			
Current(Peak)	Resolution	0.01A			
, ,	Accuracy	0.4%+1.5%F.S.			
	Range	0~5100W			
Power	Resolution	0.1W			
	Accuracy	0.4% of setting +1%F.S. at PF>0.2, Voltage >5V			
	Range	0~5100VA			
Power Apparent	Resolution	0.1VA			
(VA)	Accuracy	Voltage * Irms, Calculated value			
	Range	0~5100VAR			
Power Resistive	Resolution	0.1VAR			
(VAR)	Accuracy	$\sqrt{(VA)^2 \cdot (W)^2}$, Calculated value			
	Range	0.00~1.00			
Power Factor	Resolution				
(PF)	Accuracy	0.01 W/VA, Calculated value			
Harmonic	Accuracy	Not Support			
паннопіс			H 0.24 124.24	U 0 24 16E 64	
		H 0.3A~82.8A	H 0.3A~124.2A	H 0.3A~165.6A	
	Range ^[1]	M 0.2A~36A L 0.1A~9A	M 0.2A~54A	M 0.2A~72A	
Σ Current			L 0.1A~13.5A	L 0.1A~18A	
		mA 0.02~2.7A	mA 0.02~4.05A	mA 0.02~5.4A	
	Resolution	0.01A			
	Accuracy	0.4%+1.0%F.S.			
_	Range ^[1]	0~9180W	0~13770W	0~18360W	
Σ Current	Resolution	0.1W			
	Accuracy	0.4% of setting +0.3%F.S at PF > 0.2,			
	_		Extra Function		
Remote Sense	Range	5V(rms), Max. Total power less than			
		AC Voltage 0.001~1200.000V/ms and Disable			
Slew Rate	Range	DC Voltage 0.001~1000.000V/ms and Disable			
		Frequency 0.001~1600.000HZ/m			
		Trans-Start: 0.0~66.5ms@15Hz, Re			
Transient Generator(only for	Range	Trans-Volt : -212V~+212V(L), -424V			
15-70HZ)		Trans-Time: 0.0~66.5ms@15Hz, Resolution: 0.1ms			
15-70HZ)					
15-70HZ)		Trans-Cycle : 0~9999, Constant			
15-70HZ) Calibration ^[2]		Trans-Cycle: 0~9999, Constant Firmware-based calibration through	the digital interface or front panel		
·		-	the digital interface or front panel		
Calibration ^[2]	ıre	Firmware-based calibration through 4.3" Color touch LCD	the digital interface or front panel , USB port for transfer and upgrading firmwar	e	
Calibration ^[2] Graphic Display		Firmware-based calibration through 4.3" Color touch LCD		e	
Calibration ^[2] Graphic Display Operation Key Featu		Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob.		е	
Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle		Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control		е	
Calibration ^{DI} Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits		Firmware-based calibration through 4.3" Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control	, USB port for transfer and upgrading firmwar PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP	е	
Calibration ^{DI} Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits		Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP,	, USB port for transfer and upgrading firmwar PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP	е	
Calibration ^{DI} Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits	es	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP,	, USB port for transfer and upgrading firmwar PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional	е	
Calibration ^[2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface	ture	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob, Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN	, USB port for transfer and upgrading firmwar PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional	e	
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu	ture	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob, Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C	, USB port for transfer and upgrading firmwar PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional	e 58dB Min; 79dB Max.	
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise	ture	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob. Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional Environment		
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude	ture	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min, 76dB Max.	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional Environment		
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude	ture re	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional Environment 56.8dB Min; 77.8dB Max.		
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	ture re	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob. Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional Environment 56.8dB Min; 77.8dB Max.		
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity	ture re	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob. Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP N, GPIB is Optional Environment 56.8dB Min; 77.8dB Max.		
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity Temperature Coeffi	ture re	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C a	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP N, GPIB is Optional Environment 56.8dB Min; 77.8dB Max. at Current, 100ppm/*C at Frequency Mechanical	58dB Min; 79dB Max.	
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity Temperature Coeffi	ture re	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob. Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C at 560.0x754.0x700.0 mm 680.0x1146.0x820.0 mm	, USB port for transfer and upgrading firmward PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP N, GPIB is Optional Environment 56.8dB Min; 77.8dB Max. at Current, 100ppm/*C at Frequency Mechanical 560.0x754.0x700.0 mm	58dB Min; 79dB Max. 560.0x932.0x700.0 mm	
Calibration [2] Graphic Display Operation Key Featu Rack mount Handle FAN Protection Circuits Interface Operating Tempera Storage Temperatu Fan Noise Altitude Relative Humidity Temperature Coeffi Dimensions(WxHx Package Dimension	ture re	Firmware-based calibration through 4.3° Color touch LCD Soft key, Numberic key, Rotary Knob. Yes Temperature Control OCP, OVP, OPP, OTP, RCP, PRI_UVP, Standard USB, RS-485, RS-232, LAN 0°C~40°C -40°C~85°C 55dB Min; 76dB Max. 2000m 5%~95%, non-condensing 100ppm/°C at Voltage, 300ppm/°C at 560.0x754.0x700.0 mm	PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP I, GPIB is Optional Environment 56.8dB Min; 77.8dB Max. at Current, 100ppm/*C at Frequency Mechanical 560.0x754.0x700.0 mm 680.0x1146.0x820.0 mm	58dB Min; 79dB Max. 560.0x932.0x700.0 mm 680.0x1297.0x820.0 mm	

^[1]In parallel mode, the amount needed to be reduced to 90 %

^[2] Calibration function only available for single unit.

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