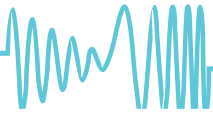




MODEL		SPS300VAC1800W	SPS300VAC3000W	SPS300VAC4500W
<b>INPUT</b>				
Voltage		90~265VAC	100~265VAC	100~265VAC
Frequency		47~63Hz		
Phase		3 Phase,4Wire+Groud/Y Connect		
Max.Current		30A	45A	57A
Power Factor at 220VAC Input ,Full Load		≥0.96 Active PFC	≥0.98 Active PFC	≥0.98 Active PFC
Efficiency		>81% (Peak) >80% at 220VAC,50Hz input/220VAC,50Hz output,Full Load	>85.5% (Peak) >85% at 220VAC,50Hz input/220VAC,50Hz output,Full Load	>87.5% (Peak) >87% at 220VAC,50Hz input/220VAC,50Hz output,Full Load
<b>3-Phase Output Mode</b>				
AC Power(Per Phase)		600VA	1000VA	1500VA
AC Power(Total)		1800VA	3000VA	4500VA
Max.Current (r.m.s)	0~150V(L)	5.6A	9.2A	13.8A
	0~300V(H)	2.8A	4.6A	6.9A
Max.Current (Peak)	0~150V(L)	32.4A	55.2A	82.8A
	0~300V(H)	16.2A	27.6A	41.4A
<b>Parallel Output Mode</b>				
Max.Current (r.m.s)	0~150V(L)	16.8A	27.6A	41.4A
	0~300V(H)	8.4A	13.8A	20.7A
Max.Current (Peak)	0~150V(L)	97.2A	165.6A	248.4A
	0~300V(H)	48.6A	82.8A	124.2A
Phase		1 Phase		
<b>OUTPUT</b>				
Total Harmonic Distortion (THD)		<p>&lt;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</p> <p>&lt;1% (Resistive Load) at 70.1~500Hz and output voltage within the 80~140VAC at Low Range or the 160~280VAC at High Range</p> <p>&lt;1% (Resistive Load) at 501~1000Hz and output voltage within the 100~140VAC at Low Range or the 160~280VAC at High Range</p>		
Crest Factor(CF)		≤6	≤6	≤6
Load Regulation		<p>±0.2%F.S. (Resistive Load) at 15~100Hz</p> <p>±0.5%F.S. (Resistive Load) at &gt;100Hz</p>		
Line Regulation		±0.1V		
Voltage(AC) (L-N)	Range	0~300VAC, 150V/300V/Auto Mode		
	Resolution	0.1V		
	Accuracy	0.2% of setting +0.4%F.S at Voltage>3V		
Phase Angle (Starting /Ending)	Range	0~359.9°		
	Resolution	0.1°		
	Accuracy	±1° @45~65Hz		
Voltage(DC)	Range	0~424VDC		
	Resolution	0.1V		
	Accuracy	0.3% of setting +0.4%F.S at Voltage>3V		
	DC Power (Per Phase)	600W	1000W	1500W
	Max.Current (Per Phase)	L 3.96A	L 6.5A	L 9.76A
		H 1.89A	H 3.3A	H 4.88A
	DC Power (Total)	1800W	3000W	4500W
	Max.Current (Total)	L 11.88A	L 19.5A	L 29.28A
		H 5.67A	H 9.9A	H 14.64A
Ripple& Noise(Peak)	L <700mVrms @Bandwidth 20Hz to 1MHz H <1100mVrms @Bandwidth 20Hz to 1MHz			
Ripple& Noise(r.m.s)	<4000mVp-p @Bandwidth 20Hz to 1MHz			



MODEL		SPS300VAC1800W	SPS300VAC3000W	SPS300VAC4500W
Current OC Fold Mode	Resolution	0.01A		
	Accuracy	0.5% of setting +1.0%F.S.		
	Response Time	<1400ms		
Frequency	Range	15~1000Hz		
	Resolution	0.1Hz(15.0~99.9Hz) ,1Hz(100~1000Hz)		
	Accuracy	0.03% of setting		
Programmable Output Impedance		Not Support		
Harmonic & Inter-harmonics Simulation		Not Support		

**MEASUREMENT**

Voltage (Per Phase)	Range	AC 0~300VAC DC 0~424VDC		
	Resolution	0.1V		
	Accuracy	0.2% of setting +0.4%F.S. (Peak: 0.6% of setting +1%F.S.)		
Frequency (Per Phase)	Range	15~1000Hz		
	Resolution	0.1Hz(15.0~99.9Hz) ,1Hz(100~1000Hz)		
	Accuracy	0.1% of setting		
Current* (r.m.s) (Per Phase)	Range	H 0.15A~5.6A	H 0.3A~9.2A	H 0.3A~13.8A
		L 0.1A~3A	L 0.1A~3A	L 0.1A~3A
	Resolution	0.01A		
	Accuracy	0.4%+1.0%F.S.		
Current* (Peak) (Per Phase)	Range	0A~32.4A	0A~55.2A	0A~82.8A
	Resolution	0.01A		
	Accuracy	0.4%+1.5%F.S.		
Power (Per Phase)	Range	0~612W	0~1020W	0~1530W
	Resolution	0.1W		
	Accuracy	0.4% of setting +0.3%F.S. at PF>0.2, Voltage >5V		
Power Apparent(VA) (Per Phase)	Range	0~612VA	0~1020VA	0~1530VA
	Resolution	0.1VA		
	Accuracy	Voltage*Irms, Calculated value		
Power Resistive (VAR) (Per Phase)	Range	0~612VAR	0~1020VAR	0~1530VAR
	Resolution	0.1VAR		
	Accuracy	$\sqrt{(VA)^2-(W)^2}$ , Calculated value		
Power Factor (PF)	Range	0.00~1.00		
	Resolution	0.01		
	Accuracy	W/VA, Calculated value		
Harmonic	Range	Not Support		

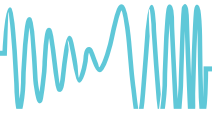
**EXTRA FUNCTION**

Slew Rate	Range	AC Voltage 0.001~1200.000V/ms and Disable
		DC Voltage 0.001~1000.000V/ms and Disable
		Frequency 0.001~1600.000Hz/ms and Disable



MODEL		SPS300VAC1800W	SPS300VAC3000W	SPS300VAC4500W
Remote Sense	Range	5V(rms), Max. Total power less than rated power		
Calibration		Firmware-based calibration through the digital interface or front panel display		
Test Function		Not Support		
Graphic Display		4.3" Color touch LCD		
Operation Key Feature		Soft key, Numeric key, Rotary Knob, Support USB disk		
Rack mount Handles		Yes		
FAN		Temperature Control		
Protection Circuits		OCP, OVP, OPP, OTP, RCP, PRI_UVP, PRI_OVP, PRI_OTP, PRI_OCP, USB_OCP		
Interface		USB, RS485, RS232, LAN(Optional); GPIB(Optional)		
<b>ENVIRONMENTAL</b>				
Operating Temperature		0°C to 40°C		
Storage Temperature		-40°C to 85°C		
Altitude		2000m		
Relative Humidity		5%~95%, non-condensing		
Temperature Coefficient		100ppm/°C at Voltage, 300ppm/°C at Current, 100ppm/°C at Frequency		
<b>MECHANICAL</b>				
Dimensions(W*H*D)		540.0*400.0*640.0 mm		
Package Dimensions (W*H*D)		660.0*575.0*800.0 mm		
Unit Net Weight		88.7kg	88.7kg	88.7kg
Accessories Weight		0.4kg		
Gross Weight		108.7kg	108.7kg	108.7kg
<b>Regulatory Compliance</b>				
CE Mark		Installation Overvltage Category II ; Class II equipment;indoor use only.		

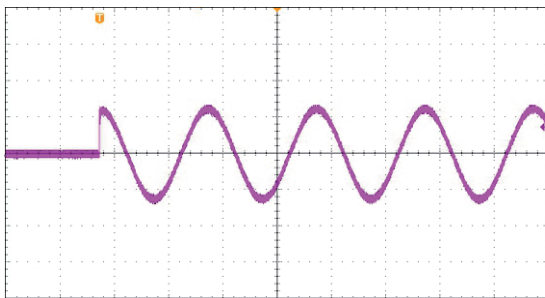
\* Note:The tolerance will change slightly in high frequency condition.



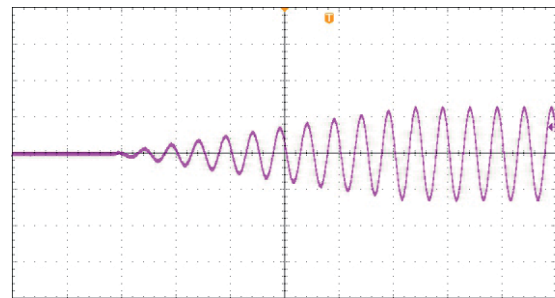
## Basic Functions

### Adjustable Phase Angle/Slope

Adjustable phase angle, applicable to verification test of ON/OFF inrush current testing. adjustable slope, applicable to start inductive or capacitive load with large capacity to avoid circuit break caused by protection that triggered by high current when instantaneously start the device.



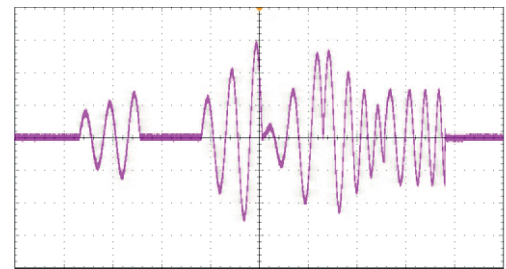
Adjustable Phase Angle



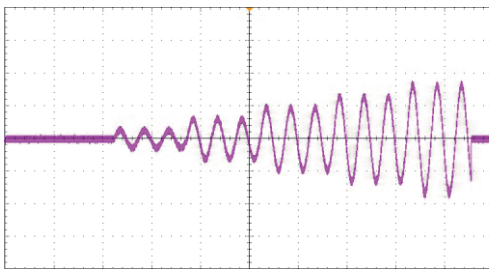
Adjustable Slope

### Output Simulation Sequence and Disturbance Simulation

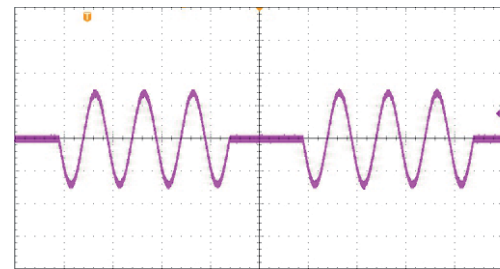
Provide powerful function to simulate power line disturbance.  
Apply LIST mode to change output by recalling inner sequence file;  
Apply STEP mode to change output value;  
Apply PULSE mode to program special impulse voltage waveform.  
Functions above are convenient for user to apply in test condition such as cycle dropout, transient spike and brown out, etc.



LIST Mode



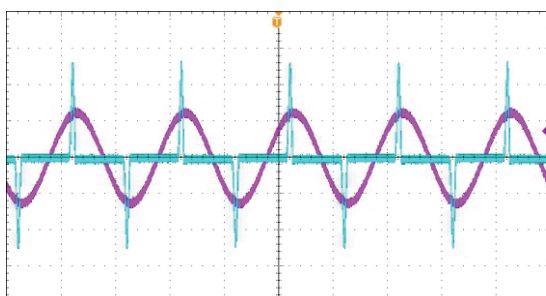
STEP Mode



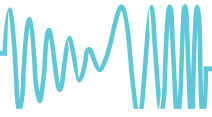
PULSE Mode

### High Output Current Crest Factor

The surge current could reach 5-6 times of the rated current, especially suitable for inrush current testing.



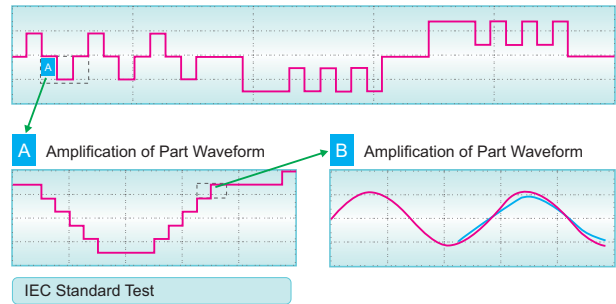
High Output Current Crest Factor



## Advanced Functions

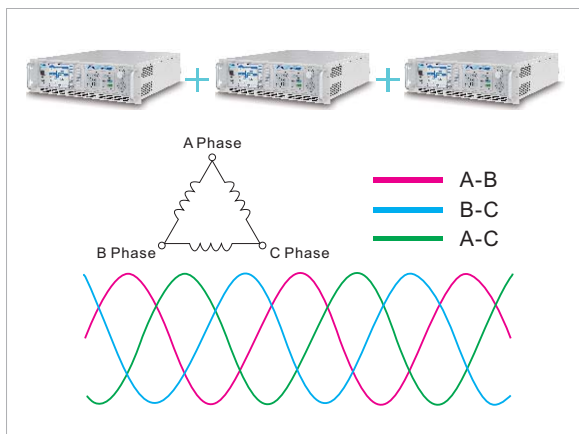
### IEC Standard Test

Built-in IEC Standard Test and could be recalled directly.

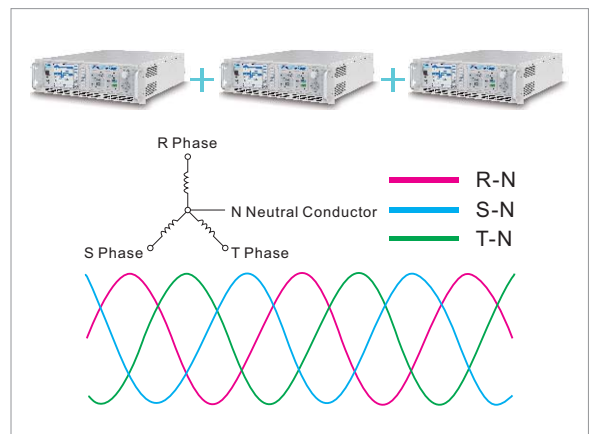


### 3-Phase Operation and Parallel Mode

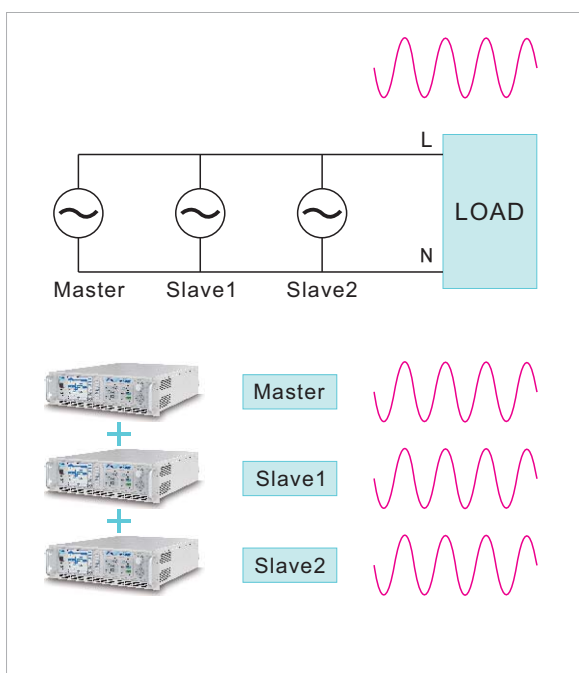
Support 3-phase operation, 3 units in parallel.



3-phase 3-wire



3-phase 4-wire



Parallel Mode