



Modified Sine Wave Inverter

SP Series



SPS-75USB
SPS-100USB
SPS-150USB



SPS-300USB



SP-400USB



SP-600
SP-800



CN-150USB



Features

- Microcontroller Integrated
- LED Indicators for Inverter States
- Input & Output Fully Isolation
- Intelligent Temp & Load Cooling Fan
- Multi Pre-Alarm & Shutdown Alarm Protections:
Battery Type Detection / Polarity Reverse / Low Voltage
Short Circuit / Overheat / Overload
- Aluminum Housing
- 100% Made in Taiwan

Model		SPS-75USB	SPS-100USB	SPS-150USB	CN-150USB	SPS-300USB	SP-400USB	SP-600	SP-800
System									
Continuous Power		75W	100W	150W	150W	300W	400W	600W	800W
Surge Power		200W	300W	450W	450W	900W	1200W	1500W	2000W
Output Voltage		100/110/120 VAC; 220/230/240 VAC							
Output Waveform		Modified Sine Wave							
Output USB Port		5VDC, 2.1A			QC3.0	5VDC, 2.1A		-	-
Standby Current (Normal)	DC 12V	< 0.3A			< 0.21A	< 0.5A	< 0.4A	< 0.6A	
	DC 24V	< 0.2A			< 0.15A	< 0.4A	< 0.3A	< 0.4A	
Output Regulation		< ±5% Intelligent AVR				+5% / -8% Intelligent AVR	< ±5% Intelligent AVR		
Output Frequency		50/55/60 Hz Crystal Controlled							
Input Voltage		DC 12V: 10~15V; DC 24V: 20~30V							
Efficiency		> 90%					> 85%		
Protection									
Input Type Auto-Detection		YES							
Input Polarity Reverse		Fuse							
Input Low Voltage	DC 12V	< 11V, < 9.5V	< 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm		< 11V, < 9.5V	< 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm			
	DC 24V	< 22.0V, < 20V	< 21.5V Pre-Alarm, < 20V Shutdown & Alarm		< 22V, < 20V	< 21.5V Pre-Alarm, < 20V Shutdown & Alarm			
Short Circuit		YES							
Overheat		> 60°C Pre-Alarm, > 65°C Shutdown & Alarm							
Overload	Pre-Alarm	> 75W	> 100W	> 150W	> 330W		> 420W	> 620W	> 820W
	Auto-off&Alarm	> 85W	> 120W	> 160W	> 360W		> 460W	> 660W	> 860W
Cooling		Air Convection			Intelligent Fan				
Mechanical									
Fuse	DC 12V	10A x 1PCS		15A x 1PCS		35A x 1PCS	40A x 1PCS	25A x 3PCS	25A x 4PCS
	DC 24V	10A x 1PCS		10A x 1PCS		20A x 1PCS	20A x 1PCS	15A x 3PCS	15A x 4PCS
AC Outlets		EU: 1; USA: 1				EU: 1; USA: 2			
Dimension (L x W x H)		EU: 100 x 73 x 73 mm; USA: 100 x 73 x 45 mm			175 x 71 x 65 mm	120 x 73 x 73 mm	180 x 73 x 73 mm	200 x 173 x 60 mm	280 x 173 x 65 mm
Net Weight		EU: 0.46 kg; USA: 0.36 kg			0.45 kg	0.6 kg	1 kg	2 kg	2.6 kg



Modified Sine Wave Inverter

SP Series



SP-1000
SP-1200
SP-1500



SP-2000
SP-2500
SP-3000



SP-4000
SP-5000



Features

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- Input & Output Fully Isolation
- Intelligent Temp & Load Cooling Fan
- Multi Pre-Alarm & Shutdown Alarm Protections:
Battery Type Detection / Polarity Reverse / Low Voltage
Short Circuit / Overheat / Overload
- Aluminum Housing
- 100% Made in Taiwan

Model		SP-1000	SP-1200	SP-1500	SP-2000	SP-2500	SP-3000	SP-4000	SP-5000
System									
Continuous Power		1000W	1200W	1500W	2000W	2500W	3000W	4000W	5000W
Surge Power		2400W	2800W	3000W	4000W	5000W	6000W	8000W	10000W
Output Voltage		100/110/120 VAC; 220/230/240 VAC							
Output Waveform		Modified Sine Wave							
Standby Current (Normal)		DC 12V: < 0.5A; DC 24V: < 0.4A			DC 12V: < 0.7A; DC 24V: < 0.5A				
Output Regulation		< ±5% Intelligent PWM							
Output Frequency		50/55/60 Hz Crystal Controlled							
Input Voltage		DC 12V: 10~15V; DC 24V: 20~30V							
Efficiency		> 85%							
Protection									
Input Type Auto-Detection		YES							
Input Polarity Reverse		Fuse							
Input Low Voltage	DC 12V	< 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm			< 10.5V, < 10V	< 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm			
	DC 24V	< 21.5V Pre-Alarm, < 20V Shutdown & Alarm			< 21V, < 20V	< 21.5V Pre-Alarm, < 20V Shutdown & Alarm			
Short Circuit		YES							
Overheat		> 60°C Pre-Alarm, > 65°C Shutdown & Alarm							
Overload	Pre-Alarm	> 1050W	> 1200W	> 1500W	> 2000W	> 2500W	> 3000W	> 4000W	> 5000W
	Auto-off&Alarm	> 1100W	> 1250W	> 1600W	> 2200W	> 2700W	> 3200W	> 4300W	> 5300W
Cooling		Intelligent Fan							
Mechanical									
Fuse	DC 12V	25A x 6PCS		25A x 8PCS	25A x 12PCS	20A x 16PCS	25A x 16PCS	25A x 24PCS	30A x 24PCS
	DC 24V	15A x 6PCS		15A x 8PCS	15A x 12PCS	10A x 16PCS		15A x 24PCS	20A x 24PCS
AC Outlets		2			EU: 2; USA: 3			EU: 2 ; USA: 2+Terminal: 1	
Dimension (L x W x H)		300 x 195 x 80 mm		360 x 195 x 80 mm	300 x 169 x 152 mm	360 x 169 x 152 mm		500 x 169 x 152 mm	
Net Weight		3.1 kg		3.5 kg	5.7 kg	6.9 kg		10.4 kg	10.8 kg
RC (Standard) Accessory		YES							