



Modified Sine Wave Inverter

SP Series



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



SPS-300USB



SP-400



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-400	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			Quick Charge3.0	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 Prot.	Fuse								
Input Low Voltage Prot.	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 Prot.	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	5A x 1PCS		10A x 1PCS		20A x 1PCS	35A 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 Prot.	Fuse								
Input Low Voltage Prot.	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 Prot.	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		35A x 8PCS	25A x 12PCS	25A x 16PCS	30A x 16PCS	25A x 24PCS	30A x 24PCS
	DC 24V	15A x 6PCS		20A x 8PCS	15A x 12PCS	15A x 16PCS		10A x 24PCS	15A x 24PCS
AC Outlets	2			EU: 2; USA: 3					
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								