



Modified Sine Wave Inverter

SP-C Series



SP-300C
SP-400C



SP-600C



SP-1000C
SP-1200C
SP-1500C



Features

- Bi-directional Inverter and Charger
- 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		SP-300C	SP-400C	SP-600C	SP-1000C	SP-1200C	SP-1500C
System							
Continuous Power		300W	400W	600W	1000W	1200W	1500W
Surge Power		900W	1200W	1500W	2400W	2800W	3000W
Output Voltage		100/110/120 VAC; 220/230/240 VAC					
Output Waveform		Modified Sine Wave					
Output USB Port		5VDC, 2.1A	-	-	-	-	-
Standby Current (Normal)	DC 12V	< 0.4A		< 0.6A	< 0.5A		
	DC 24V	< 0.3A		< 0.4A			
Output Regulation		< ±5% Intelligent AVR			< ±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 DC 24V: < 21.5V Pre-Alarm, < 20V Shutdown & Alarm					
Short Circuit Prot.		YES					
Overheat		> 60°C Pre-Alarm, > 65°C Shutdown & Alarm					
Overload	Pre-Alarm	> 380W	> 450W	> 620W	> 1050W	> 1200W	> 1500W
	Auto-off & Alarm	> 420W	> 500W	> 660W	> 1100W	> 1250W	> 1600W
Cooling		Intelligent Fan					
Mechanical							
Fuse	DC 12V	35A x 1PCS	25A x 2PCS	25A x 3PCS	20A x 9PCS	25A x 6PCS	35A x 8PCS
	DC 24V	20A x 1PCS	15A x 2PCS	15A x 3PCS	10A x 9PCS	15A x 6PCS	20A x 8PCS
AC Outlets		EU: 1; USA: 2					2
Dimension (L x W x H) (mm)		200 x 173 x 65		280 x 173 x 65	360 x 195 x 80	300 x 195 x 80	360 x 195 x 80
Net Weight		1.6 kg	1.7 kg	2.8 kg	3.8 kg	3.1 kg	3.5 kg
Battery Charger							
Charging Current	DC 12V	10A					
	DC 24V	5A					
Battery Full Detection		YES					
Power Auto-Switch		AC LINE -> INVERTER; INVERTER -> AC LINE					
Switching Time		AC LINE -> INVERTER: < 16ms					
		INVERTER -> AC LINE: < 16ms					



Modified Sine Wave Inverter

SP-C Series



SP-2000C
SP-2500C
SP-3000C



SP-4000C
SP-5000C



Features

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- 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		SP-2000C	SP-2500C	SP-3000C	SP-4000C	SP-5000C
System						
Continuous Power		2000W	2500W	3000W	4000W	5000W
Surge Power		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: < 0.7A; 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				
		DC 24V: < 21.5V Pre-Alarm, < 20V Shutdown & Alarm				
Short Circuit Prot.		YES				
Overheat		> 60°C Pre-Alarm, > 65°C Shutdown & Alarm				
Overload	Pre-Alarm	> 2000W	> 2500W	> 3000W	> 4000W	> 5000W
	Auto-off & Alarm	> 2200W	> 2700W	> 3200W	> 4300W	> 5300W
Cooling		Intelligent Fan				
Mechanical						
Fuse	DC 12V	25A x 12PCS	25A x 16PCS	30A x 16PCS	25A x 24PCS	30A x 24PCS
	DC 24V	15A x 12PCS	15A x 16PCS		10A x 24PCS	15A x 24PCS
AC Outlets		EU: 2; USA: 3				
Dimension (L x W x H) (mm)		300 x 169 x 152	360 x 169 x 152		500 x 169 x 152	
Net Weight		5.7 kg	6.9 kg	6.9 kg	10.4 kg	10.8 kg
RC (Standard) Accessory		YES				
Battery Charger						
Charging Current	DC 12V	10A			20A	
	DC 24V	5A			10A	
Battery Full Detection		YES				
Power Auto-Switch		AC LINE -> INVERTER; INVERTER -> AC LINE				
Switching Time		AC LINE -> INVERTER: < 16ms				
		INVERTER -> AC LINE: < 16ms				