



# Modified Sine Wave Inverter *SP-C-48V* Series



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



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



## 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-1000C	SP-1200C	SP-1500C	SP-2000C	SP-2500C	SP-3000C	
<b>System</b>							
Continuous Power	1000W	1200W	1500W	2000W	2500W	3000W	
Surge Power	2400W	2800W	3000W	4000W	5000W	6000W	
Output Voltage	100/110/120 VAC; 220/230/240 VAC						
Output Waveform	Modified Sine Wave						
Standby Current (Normal)	< 0.4A		< 0.4A	< 0.7A			
Output Regulation	< ±5% Intelligent PWM						
Output Frequency	50/55/60 Hz Crystal Controlled						
Input Voltage	40~60V						
Efficiency	> 85%						
<b>Protection</b>							
Input Type Auto-Detection	YES						
Input Polarity Reverse Prot.	Fuse						
Input Low Voltage Prot.	< 43.5V Pre-Alarm, < 41.5V Shutdown & Alarm						
Short Circuit Prot.	YES						
Overheat	> 60°C Pre-Alarm, > 65°C Shutdown & Alarm						
Overload	Pre-Alarm	> 1050W	> 1200W	> 1500W	> 2000W	> 2500W	> 3000W
	Auto-off & Alarm	> 1100W	> 1250W	> 1600W	> 2200W	> 2700W	> 3200W
Cooling	Intelligent Fan						
<b>Mechanical</b>							
Fuse	10A x 6PCS	10A x 6PCS	10A x 8PCS	10A x 16PCS	10A x 16PCS	10A x 16PCS	
AC Outlets	EU: 1; USA: 2			2			
Dimension (L x W x H) (mm)	395 x 198 x 80		455 x 198 x 80	420 x 169 x 152			
Net Weight	3.9 kg	3.9 kg	4.7 kg	7.7 kg	7.9 kg	8.3 kg	
RC (Standard) Accessory	Yes						
<b>Battery Charger</b>							
Charging Current	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-48V* Series



SP-4000C  
SP-5000C



## 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-4000C		SP-5000C	
<b>System</b>				
Continuous Power	4000W		5000W	
Surge Power	8000W		10000W	
Output Voltage	100/110/120 VAC; 220/230/240 VAC			
Output Waveform	Modified Sine Wave			
Standby Current (Normal)	< 0.7A			
Output Regulation	< ±5% Intelligent PWM			
Output Frequency	50/55/60 Hz Crystal Controlled			
Input Voltage	40~60V			
Efficiency	> 85%			
<b>Protection</b>				
Input Type Auto-Detection	YES			
Input Polarity Reverse Prot.	Fuse			
Input Low Voltage Prot.	< 43.5V Pre-Alarm, < 41.5V Shutdown & Alarm			
Short Circuit Prot.	YES			
Overheat	> 60°C Pre-Alarm, > 65°C Shutdown & Alarm			
Overload	Pre-Alarm	> 4000W	> 5000W	
	Auto-off & Alarm	> 4300W	> 5300W	
Cooling	Intelligent Fan			
<b>Mechanical</b>				
Fuse	10A x 24PCS		10A x 24PCS	
AC Outlets	EU: 2; USA: 3			
Dimension (L x W x H) (mm)	560 x 169 x 152			
Net Weight	11.6 kg		11.6 kg	
RC (Standard) Accessory	YES			
<b>Battery Charger</b>				
Charging Current	5A			
Battery Full Detection	YES			
Power Auto-Switch	AC LINE -> INVERTER; INVERTER -> AC LINE			
Switching Time	AC LINE -> INVERTER: < 16ms INVERTER -> AC LINE: < 16ms			