



Modified Sine Wave Inverter

HP Series



HPS-150USB
HPS-300USB



HP-600USB



HP-1000
HP-1200
HP-1500



Features

- Microcontroller Integrated
- Compact Design with Aluminum Housing
- 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
- 100% Made in Taiwan

Model	HPS-150USB	HPS-300USB	HP-600USB	HP-1000	HP-1200	HP-1500	
System							
Continuous Power	150W	300W	600W	1000W	1200W	1500W	
Surge Power	450W	900W	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	< 0.3A	< 0.5A	< 0.6A	< 0.7A		
	DC 24V	< 0.2A	< 0.3A	< 0.5A	< 0.6A		
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	> 90%		> 85%				
Protection							
Input Type Auto-Detection	YES						
Input Polarity Reverse Prot.	Fuse						
Input Low Voltage Prot.	DC 12V	< 11V Pre-Alarm, < 10V Shutdown	< 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm				
	DC 24V	< 21V Pre-Alarm, < 20V Shutdown	< 21.5V Pre-Alarm, < 20V Shutdown & Alarm				
Short Circuit Prot.	YES						
Overheat	> 60°C Pre-Alarm, > 65°C Shutdown & Alarm						
Overload	Pre-Alarm	> 150W	> 300W	> 630W	> 1000W	> 1200W	> 1500W
	Auto-off & Alarm	> 160W	> 350W	> 660W	> 1100W	> 1250W	> 1600W
Cooling	Air Convection	Intelligent Fan					
Mechanical							
Fuse	DC 12V	15A x 1PCS	35A x 1PCS	25A x 3PCS	20A x 6PCS	25A x 6PCS	25A x 8PCS
	DC 24V	10A x 1PCS	20A x 1PCS	15A x 3PCS	10A x 6PCS	15A x 6PCS	15A x 8PCS
AC Outlets	1		EU: 1; USA: 2		EU: 1; USA: 3		EU: 1; USA: 3
Dimension (L x W x H) (mm)	120 x 72 x 58 mm	142 x 72 x 58 mm	215 x 113 x 62 mm	340 x 135 x 79 mm	340 x 135 x 79 mm	400 x 135 x 79 mm	
Net Weight	0.46 kg	0.75 kg	1.5 kg	2.5 kg	2.6 kg	3.3 kg	
RC (Standard) Accessory	-	-	-	YES			



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HP Series



HP-2000
HP-2500



HP-3000



Features

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- Multi Pre-Alarm & Shutdown Alarm Protections: Battery Type Detection / Polarity Reverse / Low Voltage Short Circuit / Overheat / Overload
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Model	HP-2000		HP-2500		HP-3000		
System							
Continuous Power	2000W		2500W		3000W		
Surge Power	4000W		5000W		6000W		
Output Voltage	100/110/120 VAC; 220/230/240 VAC						
Output Waveform	Modified Sine Wave						
Standby Current (Normal)	DC 12V	< 0.8A				< 1.0A	
	DC 24V	< 0.7A				< 0.9A	
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	
	Auto-off & Alarm	> 2100W		> 2600W		> 3100W	
Cooling	Intelligent Fan						
Mechanical							
Fuse	DC 12V	20A x 12PCS		25A x 12PCS		25A x 16PCS	
	DC 24V	10A x 12PCS		15A x 12PCS		15A x 16PCS	
AC Outlets	EU: 2; USA: 4						
Dimension (L x W x H) (mm)	356 x 136 x 148 mm				416 x 136 x 148mm		
Net Weight	4.5 kg				5.9 kg		
RC (Standard) Accessory	YES						