

PSi800W#12VM

Features:

- >> Rated power 800W
- >> Pure sine wave output
- >> Smart LCD setting (frequency, charge voltage, charge current, etc.).
- >> 3 steps charging algorithm
- >> Built in AVR function
- >> Overload and short-circuit protection
- >> Deep discharge protection
- >> Cold start function
- >> Support USB monitoring function



Technical Specification

Model	PSi800W#12VM
Default battery system voltage	12VDC
Inverter Output	
Rated Power	800W
Surge Rating (20ms)	2400W
Waveform	Pure Sine Wave
Rated Output Voltage	Inverter: 230VAC (+/5% RMS), AVR; 195VAC-245VAC
Output Frequency	50Hz/60Hz +/- 0.2Hz
Inverter Efficiency (Peak)	>75%
Bypass Efficiency	>95%
Output Transfer Time	Typical: 6ms 10ms (Max)
AC Input	
Voltage	220/230/240VAC
Selectable Voltage Range	140 - 280VAC +/- 5%
Low Voltage Alarm	140 VAC +/- 5%
High Voltage Alarm	280VAC +/- 5%
Low Frequency Alarm	45+/- 0.2Hz
High Frequency Alarm	65+/- 0.2Hz
Nominal Input Frequency Range	50Hz /6 0Hz +/- 0.2Hz
AC Auto Re start	YES
Battery	
Minimum Start Voltage	Low Battery Voltage Cutoff+0.5V
Low Battery Alarm	Low Battery Voltage Cutoff+0.5V
Low Battery Cutoff	10-12.0VDC
High Battery Cutoff	Nominal Voltage+0.5V
AC Charge	
Floating Voltage	13.5 / 13.6/ 13.7VDC
Nominal Voltage	13.8~14.5 V
Maximum Charge Current	25A
Bypass & Protection	
Input Frequency	50Hz or 60Hz
Low Frequency Trip	45+ / -0.2Hz
Overload Protection	110%~125%R Load fault after 30S / 125% ~ 150%R Load fault after 3s / >150%R Load fault after 500ms
Over Temperature Protection	≥90°C
Bypass Output Protection	10A 250VAC
Battery Reverse Protection	YES
Battery Low/High-voltage Protection	YES
Bypass Breaker Rating	10 A
Maximum Bypass Current	10A
Mechanical Specification	
Dimension	315*145*210mm
(N.W) kg	12.5
Shipping Dimensions (W*H*D)	420*280*225mm
(G.W) kg	13
Other	
Operating Temperature	0 °C - 40°C 0~90% relative humidity (non -condensing)
Altitude	≤ 1000M
Audible Noise	≤ 60dB
Cooling mode	Fan cooling
Fan starting	>45°C starting, <30°C Closing
Communication	USB

THE CROWN OF POWER SOLUTION