

Low Frequency 800W Power Inverter/Charger



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/RS232 monitoring function (Optional)

Selection Guide

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 Battery Alarm	140VAC +/-5%
	High Battery Alarm	280VAC +/-5%
	Low Frequency Alarm	45 +/-0.2Hz
	High Frequency Alarm	65 +/-0.2Hz
	Norminal Input Range	50Hz/60Hz +/-0.2Hz
	AC Auto Restart	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	13.8~14.5V
	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	Optional
	Battery Low/High Voltage Protection	YES
	Bypass Breaker Rating	10A
Maximum Bypass Current	10A	
MECHANICAL SPECIFICATION	Dimensions	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	RS232/ USB	



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