

Power Star W7 - Inverter with UPS and battery charger function

Features:

Pure sine wave output, available for sensitive load
 4-step progressive charging, 7 battery type selector
 Fast and powerful charger with 30A and 70A
 Accept generator's energy output
 High power factor
 Automatically transfer between battery and line modes
 Microprocessor control guarantees high reliability
 Bypass without battery connected
 Remote control function

Data:

Model No.	10001(2)	20001(2,4)	30001(2,4)	40002(4)	50002(4)	60002(4)
Nominal Power	1000W	2000W	3000W	4000W	5000W	6000W

AC Input

Phase & waveform	Single phase & sinewave
Voltage	120VAC/230VAC
Acceptable Voltage	194-243VAC\164-243VAC(wide mode)
Line Low Transfer	85V±4%/184(154 wide mode±4%)
Line Low Return	95V±4%/194(164 wide mode±4%)
Line high Transfer	135V±4%/253±4%
Line high Return	127V±4%/243±4%
Frequency	50Hz or 60Hz (auto sensing)
Line Low Transfer	47Hz for 50Hz,57Hz for 60Hz
Line high Transfer	55Hz for 50Hz,65Hz for 60Hz

Output

Phase & waveform	Single phase & sinewave(bypass mode sync to input)
Voltage	230VAC(bypass mode sync to input)
Voltage Regulation	±10%rms(bypass mode sync to input)
Frequency	50Hz±0.3Hz(bypass mode sync to input)
Crest Power	3 times of ratings
Short Circuit Protection	Yes,shutdown after 10 minutes
Power Factor	0.9-1.0

DC Input

Battery Voltage	12V/24V	12V/24V/48V	24V/48V
Minimum Start Voltage	10V for 12V,20V for 24V,40V for 48V		
Low Battery Alarm	10.5V for 12V,21V for 24V,42V for 48V		
Low Battery Transfer	10V for 12V,20V for 24V,40V for 48V		
High Voltage Alarm	16V for 12V,32V for 24V,64V for 48V		
Max Charging Current	70A\35A		
Over Charge Voltage	15.7V for 12V,31.4V for 24V,62.8V for 48V		

Transfer Efficiency

line Mode	>95%
Battery Mode	>88%
power saver	Available when the load is less than 25 Watts

Indicators	
7-LED Display	From the right to the left,LED1 line mode (green lighting),LED2 inverter mode (green lighting),LED3 charging mode(yellow lighting),LED4 Fully charged (green lighting),LED5 over heat shutdown(red lighting),LED6 Overloaded shutdown(red lighting),LED7 Saving Mode(green lighting)
3-LED Display	Charging Mode(green lighting),inverter mode(green lighting), Alarm(red lighting)
Switch selector	Saving Mode is on/off when push the switch forwards/backwards, keeping it horizontal is turning the inverter off.
Audible Alarm	Sounding when the heatsink's tem is over 105C and shutdown after 30 seconds.
Protections	low battery,over charging,over temp,over load
Communications	RS-232/USB(custom-made)

Enviromental

Operating Environment	0-40C,0-90%RH(non-condensing)					
Audible Noise	<60dB					
Physical						
Net Weight(KG)	18	20	22	35	38	40
Dimension,D X W X H(mm)	218X179X442			218X179X598		