

Pure Sine Wave Inverter Charger Power Star Series 1000W-6000W (1ph in/1ph out)

Key Features

- Pure sine wave output (THD<3%), available for sensitive loads
- High efficiency up to 95% under line mode, and 88% for Battery Mode
- Fast and powerful charger with 35A and 70A
- 4-step progressive charging, 7 battery type selector
- Accept generator's energy output
- Automatically transfer between battery and line modes
- Microprocessor control guarantees high reliability
- Bypass without battery connected
- Remote control function
- Protection against: Over load, over temperature, over charging, low battery
- Reverse connection(optional by hard connector)
- Blackouts



Application

UPSEN Power Star Inverter can be used for various home appliances, office equipment, solar power system, and other equipments which use single phase power

Technical Specification

Power Star Series						
Model No.	PS1000	PS2000	PS3000	PS4000	PS5000	PS6000
Nominal Power	1000W	2000W	3000W	4000W	5000W	6000W
AC Input						
Waveform	Pure Sine Wave					
Voltage	120VAC/230VAC					
Acceptable Voltage	194-243VAC\164-243VAC(wide mode)					
Line Low Transfer	85V±4%/184(154 wide mode±4%)					
Line Low	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					
AC Output						
Waveform	Pure Sine Wave (bypass mode sync to input)					
Voltage	120/220/230/240VAC (bypass mode sync to input)					
Voltage Regulation	±10%rms (bypass mode sync to input)					
Frequency	50Hz±0.3Hz (bypass mode sync to input)					
Peak Power	3 times of rating power					
Short Circuit Protection	Yes,shutdown after 10ms					
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	35A/70A					
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					
Other						
Protections	low battery, over charging, over temp, over load					
Communications	RS-232/USB(custom-made)					
Environmental						
Operating Environment	0-40°C,0-90%RH(non-condensing)					
Audible Noise	< 60dB					
Physical						
Net Weight(KG)	18	20	22	35	38	40
Dimension L*W*H(mm)	442*218*179mm			598*218*179mm		