

## 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	PS1000	PS2000	PS3000	PS4000	PS5000	PS6000
Model No.	1000W	2000W	3000W	4000W	5000W	6000W
Nominal Power						
<b>AC Input</b>	Pure Sine Wave					
Waveform	120VAC/230VAC					
Voltage	194-243VAC(164-243VAC(wide mode))					
Acceptable Voltage	85V±4%/184(154 wide mode±4%)					
Line Low Transfer	95V±4%/194(164 wide mode±4%)					
Line Low	135V±4%/253±4%					
Line high Transfer	127V±4%/243±4%					
Line high Return	50Hz or 60Hz (Auto sensing)					
Frequency	47Hz for 50Hz, 57Hz for 60Hz					
Line Low Transfer	55Hz for 50Hz, 60Hz for 60Hz					
Line high Transfer						
<b>AC Output</b>	Pure Sine Wave (bypass mode sync to input)					
Waveform	120/220/230/240VAC (bypass mode sync to input)					
Voltage	±10%rms (bypass mode sync to input)					
Voltage Regulation	50Hz±0.3Hz (bypass mode sync to input)					
Frequency	3 times of rating power					
Peak Power	Yes, shutdown after 10ms					
Short Circuit Protection	0.9-1.0					
Power Factor						
<b>DC Input</b>	12V/24V					
Battery Voltage	12V/24V/48V					
Minimum Start Voltage	24V/48V					
Low Battery Alarm	10V for 12V,20V for 24V,40V for 48V					
Low Battery Transfer	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					
<b>Transfer Efficiency</b>						
Line Mode	>95%					
Battery Mode	>88%					
power saver	Available when the load is less than 25 Watts					
<b>Other</b>						
Protections	low battery, over charging, over temp, over load					
Communications	RS-232/USB(custom-made)					
<b>Environmental</b>						
Operating Environment	0-40 C, 0-90%RH(non-condensing)					
Audible Noise	<60dB					
<b>Physical</b>						
Net Weight(KG)	18	20	22	35	38	40
Dimension L*W*H(mm)	442*218*179mm					
	598*218*179mm					