

Pure Sine Wave Inverter

300W~3500W



300W~1600W



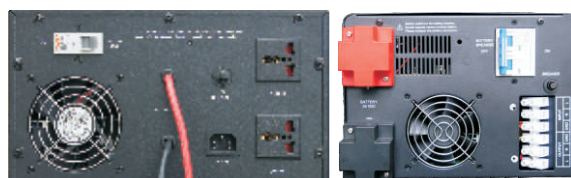
2500W~3500W

The Pure Sine Wave Inverter is desirable long backup power solution for home and office appliances. It is not only an inverter but also contains a powerful intelligent charger. It provides pure sine wave power to all kinds of loads. And it can be used as UPS for computers as well.



Features

- DSP digital control technology
- Pure sine wave output
- Suitable for all kinds of loads, such as resistive, inductive and rectified loads and motors
- Use of pulse by pulse technology, improving load shock ability
- Charge current Max.60A. Settable charge current and charge voltage on front panel
- Settable no-load shutdown and energy saving mode
- Short circuit, overload and low battery protection
- Intelligent long backup time up to 10hrs (based on battery bank and loads)
- Compatible with generators, and matching of inverter and generator is settable.
- Form off-grid solar inverter combined with EAST charge controller



Specifications

MODEL	300W	600W	1000W	1600W	2500W	3500W
DC INPUT						
Nominal input voltage	12V			24V		
DC input voltage range	10-15V			20V-30V		
AC INPUT						
Bypass voltage	0-264Vac for 220Vac/230Vac/240Vac, 0-132Vac for 100Vac/110Vac/120Vac					
AC voltage	150-280Vac for 220Vac, 160-290Vac for 230Vac, 170-300Vac for 240Vac 65-130Vac for 100Vac, 75-140Vac for 110Vac, 85-150Vac for 120Vac					
Nominal input frequency	50Hz/60Hz (Auto-sense), 45-55Hz for 50Hz, 55-65Hz for 60Hz					
OUTPUT						
DC mode output voltage	220V/230V/240VAC ± 5% or 100V/110V/120VAC ± 5%					
AC mode output voltage	174-241Vac for 220Vac, 186-250Vac for 230Vac, 197-259Vac for 240Vac 76-111Vac for 100Vac, 87-120Vac for 110Vac, 99-129Vac for 120Vac					
Nominal output frequency	50Hz/60Hz ± 0.3Hz (Auto-sense & settable)					
Output waveform	Pure sine wave					
Output power	300W	600W	1000W	1600W	2500W	3500W
Efficiency	Max. 80%					
ECO mode	Settable (<3% load) to enter after 80s					
No-load shutdown	Settable (<3% load) shutdown after 80s					
Transfer time	≤10ms				≤15ms	
Power factor	1.0					
THD	<5%(linear load)					
Inductive load	Yes					
Motor load	Yes					
Rectifier load	Yes					
Overload capability	AC mode: 105% 300s, 110% 120s, 125% 60s, 150% 10s (switch to bypass) Inverter mode: 105% 300s; 110% 60s; 125% 10s; 150% 0.7s (shut down)					
BATTERY						
Adjustable charge current	Max. 15A	Max. 30A	Max. 40A	Max. 40A	Max. 50A	Max. 60A
Equalizing charge voltage	Single battery 14.1Vdc (default), 13.6-15Vdc adjustable					
Floating charge voltage	Single battery 13.5Vdc (default), 13.2-14.6Vdc adjustable					
Charge mode	3 stage charge mode					
EOD	Single battery 10.2Vdc (default), 9.6-11.5Vdc adjustable					
Reverse warning	Buzzer					
GENERAL						
Human-machine interface	LCD& BUZZER					
Operating temperature	0°C-40°C					
Operating humidity	5%-95%RH					
Forced air cooling	Variable speed fans					
Net weight (kg)	8.3	11.3	14.0	20.2	32.0	36.0
Gross weight (kg)	9.3	12.3	15.0	21.2	34.0	38.0
Dimensions (WxDxH) mm	293x280x160				302 × 479 × 209	
Packing (WxDxH) mm	370x355x235				353 × 582 × 287	