

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

Series	SM0312	SM0612	SM1012	SM1624	SM2524	SM3524
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/120V AC ± 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 x 479 x 209	
Packing (WxDxH) mm	370x355x235				353 x 582 x 287	