

# Sine Solar Series

## Pure sine wave inverter with solar function

### Feature

- > Pure sine wave inverter AVR function cold start function
- > Selectable high power AC charging current of 5A/10A/20A/30A/45A/60A
- > Selectable up to 8 types battery
- > Compatible to mains voltage or generator output
- > Auto restart while AC is recovering overload and short circuit protections
- > Smart battery charger design for optimized battery performance
- > Remote control function USB and RS232 communication function



### Specifications

Model : Sine Solar	2012/2024	3024-3048	4048	6048	8048	12048
Relat power	2850VA/1995W	4200VA/2940W	5600VA/3920W	8500VA/5950W	11500VA/8050W	17000VA/11900W
Surge	4000W	6000W	8000W	12000W	16000W	24000W
Indicator panel	LCD display					
Input voltage	160-265 ± 5Vac					
Input frequency	45-65Hz					
Efficiency	≤96% (AC Mode)					
THD	<3% (linear load)					
Output voltage	220 ± 5%					
USB port	5V 3A					
Power factor	0.7					
Output frequency	50±0, 1Hz/60±0, 1Hz (Auto sensing)					
Output wave form	Pure sine wave					
Transfer time	<5ms (Typical)					
Efficiency	≥80% (Battery mode)					
Overload capability	(100%<Load<120%)± 10%; Auto shutdown in 2 mins; (120%<Load<140%) ±10%; Auto shutdown in 60 secs; (140%<Load) ± 10%; Auto shutdown in 20 secs;					
Overcurrent protection	System shuts down automatically within 20ms					
Output short circuit protection	Yes					
<b>BATTERY</b>						
DC voltage	12V/24V	DC 24V/48V	DC 48V			
Battery type	8 types of battery					
AC charging current	5A/10A/20A/30A/45A (60A) Max					
Solar chrging current (MPPT)	10A-60A Max			10A-100A Max		
MPPT tracking voltage range	DC 18V/34V-DC 150V	DC 34V-DC 150V/DC 65V-DC 150V	DC 65V-DC 150V			
Maximum PV input voltage	DC 170V					
<b>PHYSICAL</b>						
Net weight (kg)	25	29	31	38	66	80
Dimension (mm)	526(L)*277(W)*215(H)mm					
<b>ENVIRONMENT</b>						
Environment	temperature 0°C-40°C, Humidity 20%-90%					
Noise level	≤40dB(1m)					
Altitude	≤1000m (Altitude exceeds 10000m, full power cannot reach)					

\*\*Product specifications are subject to change without notice