



MODEL	300 W	600 W	1000 W	1600 W	2500 W	3500 W
DC INPUT						
Nominal input voltage	12 V			24 V		
DC input voltage range	10 V ~ 15 V			20 V ~ 30 V		
AC INPUT						
Bypass voltage	0 ~ 264 Vac / 276 Vac / 288 Vac ± 10 Vac for 220 Vac / 230 Vac / 240 Vac					
AC voltage	150 ~ 282 Vac for 220 Vac,156 ~ 294 Vac for 230 Vac,163 ~ 307 Vac for 240 Vac					
Frequency	50 Hz / 60 Hz (auto-sense), 45 ~ 55 Hz for 50 Hz, 55 ~ 65 Hz for 60 Hz					
Input voltage of generator	99 ~ 282 Vac for 220 Vac,104 ~ 294 Vac for 230 Vac,108 ~ 307 Vac for 240 Vac					
Input frequency of generator	40 ~ 70 Hz					
Input power limitation	Rated power 10% ~ 150%, regulating step 10%					
OUTPUT						
DC mode output voltage	220 V / 230 V / 240 Vac ± 5%					
AC mode output voltage	174 ~ 242 Vac for 220 Vac,182 ~ 253 Vac for 230 Vac, 190 ~ 264 Vac for 240 Vac					
Nominal output frequency	50 Hz / 60 Hz ± 0.3 (auto-sense & settable)					
Output waveform	Pure sine wave					
Output power	300 W	600 W	1000 W	1600 W	2500 W	3500 W
Efficiency	Max. 95% (mains mode); Max. 80% (inverter mode)					
ECO mode	Settable (< 3% load) to enter in 80 s					
No-load shutdown	Settable (< 3% load) shutdown in 80 s					
Transfer time	≤ 10 ms				≤ 15 ms	
Power factor	1.0					
THD	< 5% (linear load)					
Overload	Mains mode: 110% for 120 s, 125% for 60 s, 150% for 10 s (switch to bypass) Inverter mode: 110% for 60 s; 125% for 10 s; 150% for 10 s (shut down)					
BATTERIES						
Charging current (selectable)	Max. 15 A	Max. 30 A	Max. 40 A	Max. 40 A	Max. 50 A	Max. 60 A
Equalizing charge voltage	Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable					
Floating charge voltage	Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable					
Charge mode	3 stage charge mode					
EOD	Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable					
Reverse warning	Buzzer					
MPPT MODULES (OPTIONAL)						
Model	10 A / 20 A / 30 A / 40 A				/	
Max. PV input voltage (Voc)	30 V			60 V	/	
PV optimum operating voltage (Vmp)	15 V ~ 18 V			30 V ~ 36 V	/	
Max. PV power	120 W / 240 W / 360 W / 480 W			240 W / 480 W / 720 W / 960 W	/	
DC MODULES (OPTIONAL)						
Model	5 V (2 A), 9 V / 12 V (1 A), 15 V / 24 V (1 A), 12 V / 24 V (10 A)					
OTHERS						
Human-machine interface	LCD& BUZZER					

Operating temperature	0℃ ~ 40℃					
Operating humidity	5% ~ 95%RH					
Forced air cooling	Variable speed fans					
Net weight (kg)	8.0 (w/o option)	10.9 (w/o option)	14.0 (w/o option)	18.0 (w/o option)	32.0	36.0
	8.5 (w/ option)	11.4 (w/ option)	14.6 (w/ option)	18.5 (w/ option)		
Gross weight (kg)	9.0 (w/o option)	11.9 (w/o option)	15.0 (w/o option)	19.0 (w/o option)	34.0	38.0
	9.5 (w/ option)	12.4 (w/ option)	15.6 (w/ option)	19.5 (w/ option)		
Dimensions (W×D×H) (mm)	280×258×120 (w/o option) 293×280×160 (w/ option)		293×280×160		302×479×209	
Packaged dimensions (W×D×H) (mm)	330×352×200 (w/o option) 370×355×235 (w/ option)		370×355×235		353×582×287	

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
- Unique functions: optional built-in MPPT modules enable the inverter to work as off-grid solar inverter, optional DC module enable the inverter to apply to communications, router, switch, mobile charging, DC fans and illumination.

