

# PURE SINE WAVE INVERTER-CHARGER

- LCD DISPLAY
  - HIGH FREQUENCY
  - PURE SINE WAVE
  - AC CHARGER
  - MONITORING
  - STACKABLE\*
  - PB ACID /LIFEPO4
- \* Only on 48v models



## KEY FEATURES

- Transformerless high frequency pure sine wave design
- Multi-functional inverter-charger with programmable menus
- Inverter+ AC Charger + Solar Charger
- Adjustable Bulk/Float Voltage
- Wide AC input range
- Lightweight, easy to install
- 2X surge capacity up to 5 seconds
- FREE monitoring software included
- Adjustable charging current
- LCD Display + LED indicators
- Built-in genset starter dry contact
- Supports various battery types such as Lead Acid, LiFePO4 etc
- Built-in Solar Charger (max 50A)
- Max AC charging up to 60A (48v models only)
- Total system charging current: 50A + 60A = 110A !!

ELECTRICAL SPECIFICATIONS					
Continuous/Surge Output	0.8 / 1.6KW	1.6 / 3.2KW	2.4 / 4.8KW	3.2 / 6.4KW	4.0 / 8.0KW
Surge Rating	5 seconds max				
Input Power Factor	0.8				
Input Voltage Range	90~280VAC (Appliance mode), 170~280VAC (UPS mode)				
Input Max Voltage	300VAC				
Input/Output Frequency	50Hz				
Output Voltage	230VAC±5%				
Output Waveform	Pure Sine Wave				
Output Regulation	< 3% RMS for battery voltage range				
Output Short Circuit	Circuit Breaker				
Peak Efficiency	>95% (line mode) / 91% (inverter mode)				
Nominal DC Voltage	12V	24V	48V		
Transfer Time	<10ms (UPS mode), <20ms (Appliance mode)				
Charging Mode	3-stage				
Boost Voltage (Flooded/MF)	14.6V/14.1V	29.2V/28.2V	58.4V/56.4V		
Float Voltage (Flooded/MF)	13.5V/13.5V	27.0V/27.0V	54.0V/54.0V		
AC Recharging Current	10/20amp	20/30amp	60 amp		
No Load Power Consumption	<15W	<20W	<50W		
Power Saving Consumption	<5W	<10W	<15W		
Solar Charger					
Type, Max Charging Current	PWM, max 50 Amp				
System DC Voltage	12V	24V	48V		
Max PV Input Voc	30V	60V	90V		
Standby Power	1W	2W			
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS					
Certification	CE				
Operating/Storage Temp.	0°C ~ 55°C / -15°C~ 60°C				
Operating Humidity	20~90%RH Non-Condensing				
Dimension	330*250*95mm	367*272*100mm	468*295*120mm		
Net Weight	5.0Kg	6.5Kg	7.0Kg	10Kg	10Kg

All 48V models are PARALLEL-READY. Optional Parallel Kit is required and sold separately.