

HYBRID INVERTER

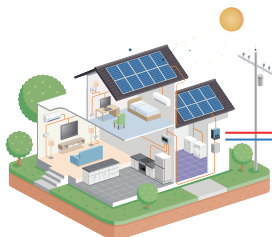
3000w-24V



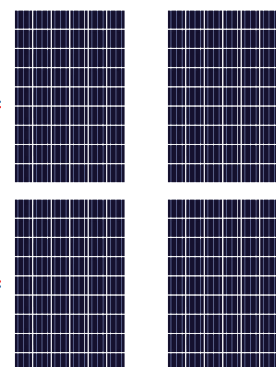
PRODUCT FEATURES

- A combination of inverter, solar charger and battery charger.
- Powerful bypass function with uninterrupted power supply function.
- Configurable AC/Solar input priority via LCD setting.
- Compatible with mains voltage or generator power.
- Overload, short circuit, over discharge protection.
- Status indication with RGB lights.
- Touch screen control module with various communications.
- Self-consumption and Feed-in to the grid.
- Compatible with AGM/Sealed, Gel, Flooded, Lithium batteries and a User Mode for custom inputs to work with virtually all battery types
- MPPT solar charge controller to maximize and regulate DC power from the solar array to charge the battery bank.
- Cold start and the smart battery charger design optimizes battery performance.
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup.

Green Power to Home



Solar Panel



Power grid



Battery bank



DATASHEET	3.0KW
Max. PV Array Power	4000W
Rated Output Power	3000W
Maximum PV Array Open Circuit Voltage	500VDC
MPPT Range @ Operating Voltage	60Vdc-430Vdc
MPPT Tracker Number	1
GRID-TIE OPERATION	
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	8.7A
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	95%
OFF-GRID, HYBRID OPERATION	
GRID INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	30A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	24Vdc
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	80 A
Maximum Charge Current	80 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	128*300*363
Net Weight (kgs)	8.5
INTERFACE	
Communication Ports	USB/RS232/RS485/WIFI
ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10°C to 50°C

Product specifications are subject to change without further notice.