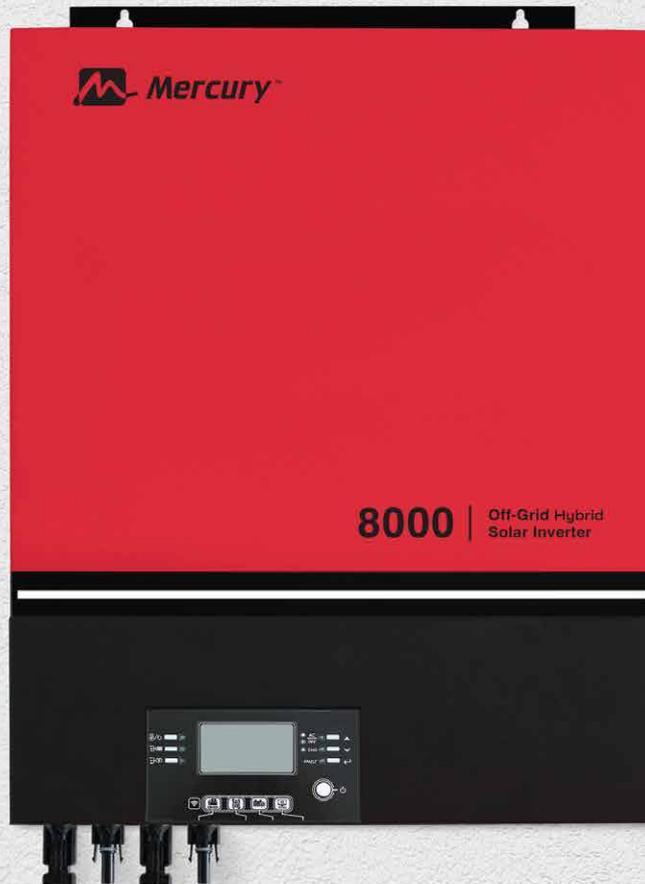


OFF-GRID HYBRID

SOLAR INVERTER
8000 PF 1.0

Hybrid Power System

**FEATURES**

- Pure Sine wave solar inverter with output power factor 1.0
- PV Input Power Max 8000 W (2 tracker each 4000W)
- High PV input voltage range 120-450 VDC
- Built-in integrated MPPT module 120A
- Battery independent design & Built-in anti-dust kit
- Built-in wifi for mobile monitoring (Android/iOS Apps available), removalbe LCD.
- Parallel operation up to 6 units

SPECIFICATIONS
MODEL

Rated Power	8000VA / 8000W
Parallel Capability	Yes,6 units

INPUT

Voltage	230VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)
Frequency Range	50/ 60Hz (Auto sensing)

OUTPUT

AC Voltage Regulation (Batt. Mode)	230VAC± 5%
Surge Power	16000VA
Efficiency(Peak)	93%
Transfer Time	15ms (For Personal Computers); 20ms(For Home Appliances)
Waveform	Pure sine wave
No Load Power Consumption	<70W
DC Voltage	12VDC± 5%,100W

BATTERY

Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC

SOLAR CHARGER & AC CHARGER

Solar Charger Type	MPPT
Maximum PV Array Power	8000W (4000WX2)
MPPT Range @ Operating Voltage	90~450VDC
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
Maximum Charge Current	120A

PHYSICAL

Dimension(LxWxH) mm	147.4x432.5x553.6
Net Weight(kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact

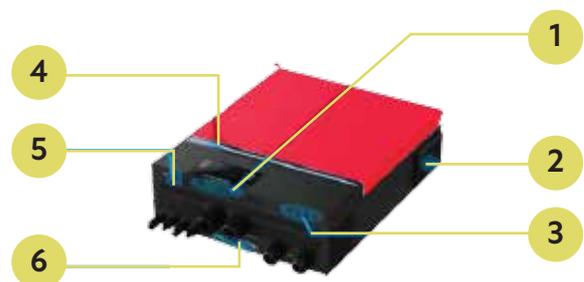
ENVIROMENT

Humidity	5-95% Relative Humidity Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

STANDARD

Compliance Safety	CE
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1. Diverse communications - USB On-the-Go function, Dry contact and BMS communication.
2. Anti-dust filter - Increase product reliability in harsh environment.
3. DC output connectors - Connect to DC fan,LED bulb or router.
4. RGB light - Different color to present output source from PV, Grid or battery and battery charge/discharge status.
5. Communication for Remote panel.
6. Parallel connectors - Maximum 6 units in parallel (only for Max-7200).



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Basic System Architecture

The following illustration shows basic application of this Inverter/ Charger. It also includes following devices to have a complete running system:

- Generator or Utility
- PV Modules

Consult with your system integrator for other possible system architectures depending on your requirements.

The inverter can power all kind of appliances in home or office environment, including motor-type appliances such as Tube light, Fan, Refrigerator and Air Conditioner.

