



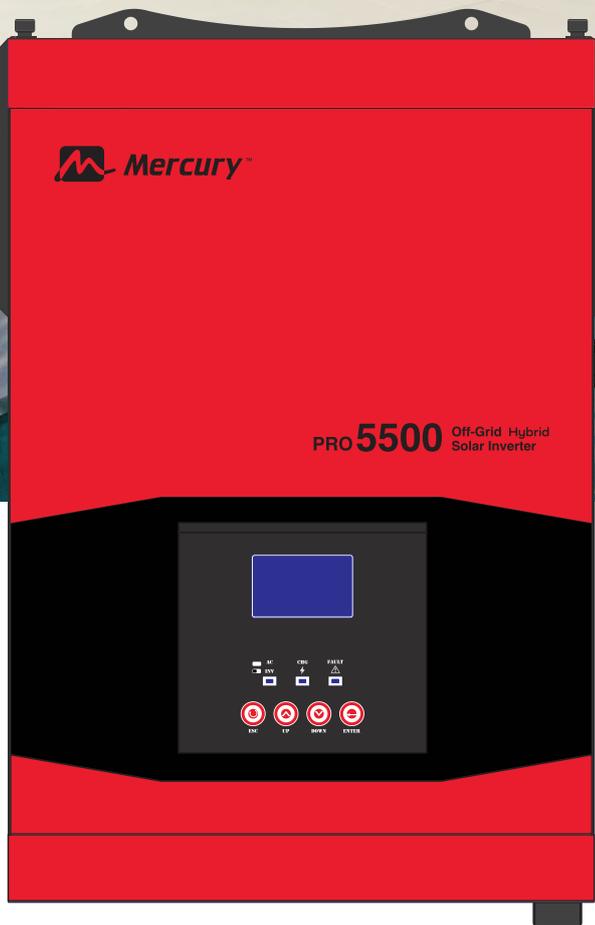
PRO

5500

Off-Grid Hybrid Solar Inverter

Solar Inverter 5.5KW Hybrid Power System

- Pure sine wave inverter & ECO Friendly
- Configurable input voltage range for home appliances and personal computers
- Configurable battery charging current based on applications via LCD setting.
- Built-in 100A MPPT Solar Charge Controller
- High PV Input Voltage Range(120~500VDC)
- Compatible to mains voltage or generator power
- Work with Lithium, Lead-Acid Batteries
- Efficiently Work with or without Battery
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Cold start function & ON / OFF Bypass Switch
- WIFI Function Optional
- Touch Button on the LCD Display



SPECIFICATIONS

The rated power | 5500VA / 5500W

BATTERY

Battery Voltage | 48 VDC
Low Battery Alarming Voltage | 44 VDC
Low Battery Cut off Protection Voltage | 42 VDC
Low Battery Recovery Voltage | 46 VDC
Floating Charge Voltage | 54 VDC
Overcharge Protection | 64 VDC

INPUT

Voltage | 230 VAC
Selectable Voltage Range | 90-280VAC (Appliances), 170-280VAC (UPS)
Frequency Range | 50 Hz/60 Hz (Auto sensing)

OUTPUT

AC Voltage Regulation (Ball. Mode) | 230 VAC \pm 5%
Surge Power | 11000VA
No Load Current | 1.1A
Efficiency (Peak) | > 90%
Transfer Time | 10ms (UPS); 20ms (Appliances)
Waveform | Pure sine wave

MPPT SOLAR CHARGER & AC CHARGER

Maximum PV Array Power | 6000W
MPPT Range at Operation Vol. | 120-450 VDC
Maximum PV Array Open Circuit Vol. | 500 VDC
Number of MPPT Trackers / Max Output Current | 100 A
Maximum AC Charge Current | 80 A
Maximum Charge Current | 100 A
Maximum Efficiency | 98%

BEST PANEL CONFIGURATION

Best Panel Configuration | 330Wp*9pcs* 36V(2970Wp)*2Parallel

PHYSICAL

Dimension, D*W*H (mm) | 481 x 313 x 117
Packing Size, D*W*H(mm) | 543 x 394 x 204
Net Weight (kgs) | 10.5
Gross Weight (kgs) | 11.7

OPERATING ENVIRONMENT

Humidity | 5% to 95% Relative Humidity(Non-condensing)
Operating Temperature | 0°C - 50°C

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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.

