INVERT POWER International

3.6KW/5.6KW
Hybrid Solar Inverter

Features

- Customizable status LED ring with RGB lights
- Touchable button with large 5" colored LCD
- Built-In WiFi and Bluetooth for mobile monitoring (App is available)
- Reversed communication port for BMS (RS485, CAN-BUS, RS232)
- Built-in OTG USB function
- Built-in 120A MPPT solar charger in 3.6kw and 100A MPPT solar charger in 5.6kw
- With Grid-tied feature
- Battery independent function
- Wide DC input range
- Configurable AC/Solar input priority via LCD setting
- Built-in anti-dust kit
- Parallel operation with up to 9 units (only available for 5.6kw model)

OUTPUT PF1   **RGB LIGHTS**   **Bluetooth**   **WiFi**   **USB ON-THE-GO** — OTG USB Connections   **MOBILE Monitoring**

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SPECIFICATIONS

MODEL	3.6KW	5.6KW
Rated Power	3600VA/3600W	5600VA/5600W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT (OFF-GRID OPERATION)		
AC Voltage Regulation (Batt. Mode)	230 VAC +/- 5%	
Surge Power	7200VA	11200VA
Efficiency (Peak)	93 %	
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
OUTPUT (GRID-TIE OPERATION)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)	
Nominal Output Current	13 A	22 A
Power Factor	>0.99	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	5500 W	6000 W
MPPT Range @ Operating Voltage	120 - 450 VDC	120 - 430 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	450 VDC
Maxmum Solar Charge Current	120 A	100 A
Maximum AC Charge Current	100 A	100 A
PHYSICAL		
Dimension, D x W x H (mm)	115 x 300 x 400	140 x 295 x468
Net Weight (kgs)	9.4	12.2
Communication Interface	WiFi/OTG USB/RS232/RS485/Bluetooth/Dry-contact/BMS interface	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

All information contained in this document is subject to change without notice.

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