

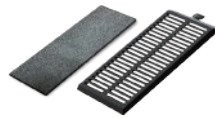


## DIRECT SOLAR

- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Built-in Wifi for mobile monitoring (App is available)
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- Battery independent design
- Battery equalization extends lifecycle
- User-friendly LCD operation
- Enhanced charging power
- Built-in anti-dust kit

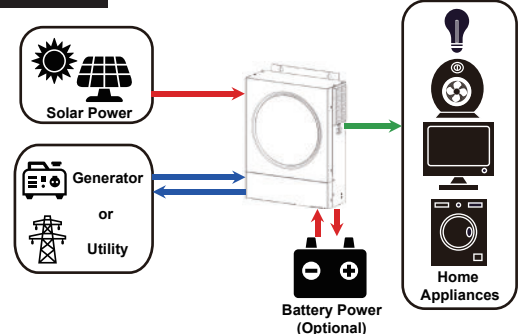


LCD screen



Anti-Dust Kit

### System Diagram



## TECHNICAL DATA SHEET

| MODEL                                 | DIRECT SOLAR 3.6KW  | DIRECT SOLAR 5.6KW |
|---------------------------------------|---|--------------------|
| Rated Power                           | 3600VA/3600W  | 5600VA/5600W       |
| <b>INPUT</b>                          |   |                    |
| 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)  |                    |
| <b>OUTPUT</b>                         |   |                    |
| AC Voltage Regulation (Batt. Mode)    | 230 VAC ± 5%  |                    |
| Surge Power                           | 7200VA  | 11200VA            |
| Efficiency (Peak)                     | 90% ~ 93%   |                    |
| Transfer Time                         | 15 ms (For Personal Computers) ; 20 ms (For Home Appliances)            |                    |
| Waveform                              | Pure sine wave  |                    |
| <b>BATTERY</b>                        |   |                    |
| Battery Voltage                       | 24 VDC  | 48 VDC             |
| Floating Charge Voltage               | 27 VDC  | 54 VDC             |
| Overcharge Protection                 | 33 VDC  | 63 VDC             |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |   |                    |
| Solar Charger Type                    | MPPT  | MPPT               |
| Maximum PV Array Power                | 4000 W  | 6000 W             |
| MPPT Range @ Operating Voltage        | 120 ~ 450 VDC   |                    |
| Maximum PV Array Open Circuit Voltage | 500 VDC   |                    |
| Maximum Solar Charge Current          | 120 A   | 120 A              |
| Maximum AC Charge Current             | 100 A   | 100 A              |
| Maximum Charge Current                | 120 A   | 120 A              |
| <b>PHYSICAL</b>                       |   |                    |
| Dimension, D x W x H (mm)             | 119 x 313.6 x 422.8   |                    |
| Net Weight (kgs)                      | 10.0  | 12.0               |
| Communication Interface               | USB/RS232/RS485/WIFI/Dry-contact  |                    |
| <b>OPERATING ENVIRONMENT</b>          |   |                    |
| Humidity                              | 5% to 95% Relative Humidity(Non-condensing)                             |                    |
| Operating Temperature                 | -10°C to 50°C   |                    |
| Storage Temperature                   | -15°C to 60°C   |                    |

Product specifications are subject to change without further notice.