

Inverter 3000-5000 PWM

- Pure Sine Wave Inverter
- Configurable input voltage via LCD Setting
- Configurable battery charging current Via LCD setting
- Output Power Factor 1.0
- Configurable AC/Solar Charger Priority via LCD setting
- Compatible to main Voltage or generator power
- Auto restart while AC is recovering
- Overload/ over temperature / short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start functions

PowerWalker Inverter 3000-5000 PWM series is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

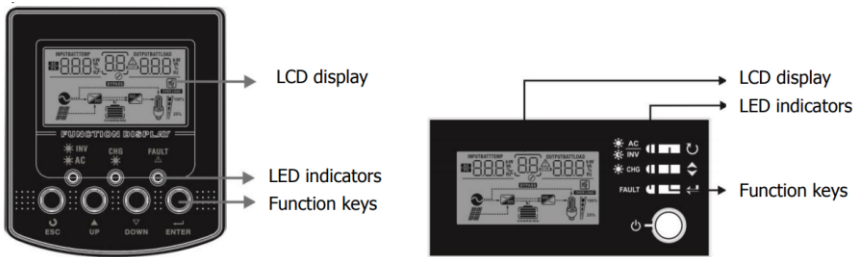


TECHNICALS SPECIFICATIONS

| MODEL | Inverter 3000 PWM | Inverter 5000 PWM |
|---------------------------------------|---|-------------------|
| Power (VA/ W) | 3000VA/3000W | 5000VA/5000W |
| 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 | | |
| AC Voltage Regulation (bat.mode) | 230VAC \pm 5% | |
| Surge Power | 6000VA | 10000VA |
| Efficiency (Peak) | 90% ~ 93% | |
| Transfer Time | 10 ms (For Personal Computers) ; 20 ms (For Home Appliances) | |
| Waveform | Pure sine wave | |
| Battery | | |
| Battery Voltage | 24 VDC | 48 VDC |
| Floating Charge Voltage | 27 VDC | 54 VDC |
| Overcharge protection | 33VDC | 63VDC |
| Solar Charger & AC Charger | | |
| Solar Charger type | PWM | PWM |
| Maximum PV Array open Circuit Voltage | 80 VDC | 105VDC |
| Maximum PV array power | 1200 W | 2400W |
| MPP Range @ Operating Voltage | N/A | N/A |
| Maximum Solar Charge Current | 50 A | 50A |
| Maximum AC Charge Current | 25A | 60A |
| Maximum Charge Current | 70A | 110A |
| Physical | | |
| Dimension D x W x H (mm) | 100 x 285 x 334 | 100 x 300 x 440 |
| Net Weight (kgs) | 6,3 | 8,5 |
| Communication Interface | USB/RS232 | |
| ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity (Non-condensating) | |
| Operanting Temperature | -10°C to 50°C | |
| Storage Temperature | -15°C to 60°C | |



Operation and Display Panel



The operation and display panel show the front panel of the inverter. It includes three indicators, four function keys and a LCD display, indicating the operating status and input/output power information.

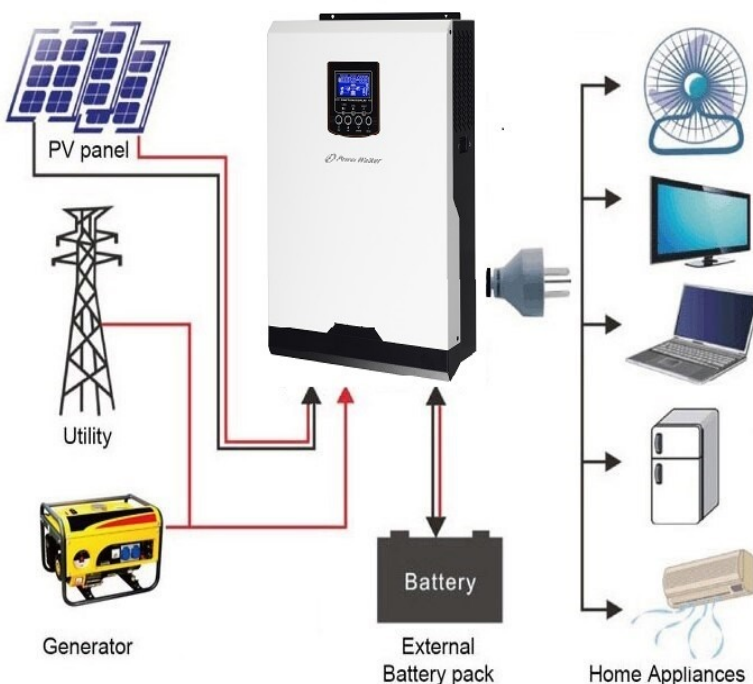
Back Side Panel



The rear panel is equipped with AC Input/Output, Battery connector, PV connector, USB Communication.

Basic Application

Solar Inverter



The following illustration shows basic application for this multi-function inverter/charger. It can be used with utility or generator as input source. Configurable external battery setup for backup function (optional available).

Strong PV charger allows fast recharge of external batteries. The PowerWalker Inverter 3000-5000 PWM, due to its pure sine wave inverter operation, can power all kinds of appliances in home or office environment, including motor-type appliances, tube light, fan, refrigerator and air conditioner.