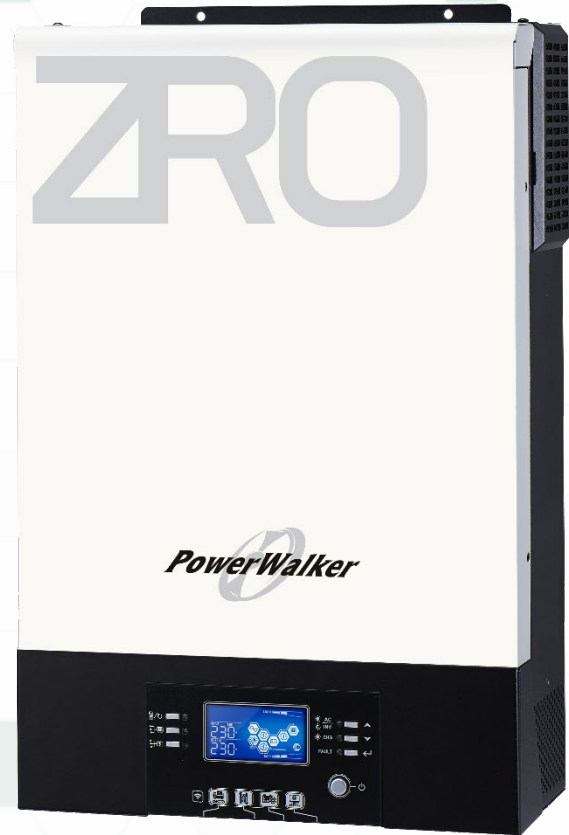


SOLAR INVERTER 5000 ZRO OFF-GRID



- Off-grid solar inverter with double conversion – zero transfer times!
- Maximal PV peak power of 6000W with MPPT charger type technology
- **Pure Sine Wave Output**
- **1 Phase, or 3 Phase setup** (only in parallel). Up to 9 Units can be used in parallel.
- Ideal for IT-Solutions, 0 transfer times.
- **Strong and configurable AC/ PV Charger**
- Works perfectly with our ESS - LiFe Battery System
- Manage your solar inverter with the smartphone app: **WatchPower**

The PowerWalker Solar Inverter 5000 ZRO series is a multi-functional off-grid inverter, combining features of inverter, solar charger and battery management to offer uninterruptable power supply. Its LCD offers user-configurable and easy-accessible operation such as battery charging current and AC/ PV charger priority. This series works like an Online UPS, it uses double-conversion technology to reduce the transfer times to zero.

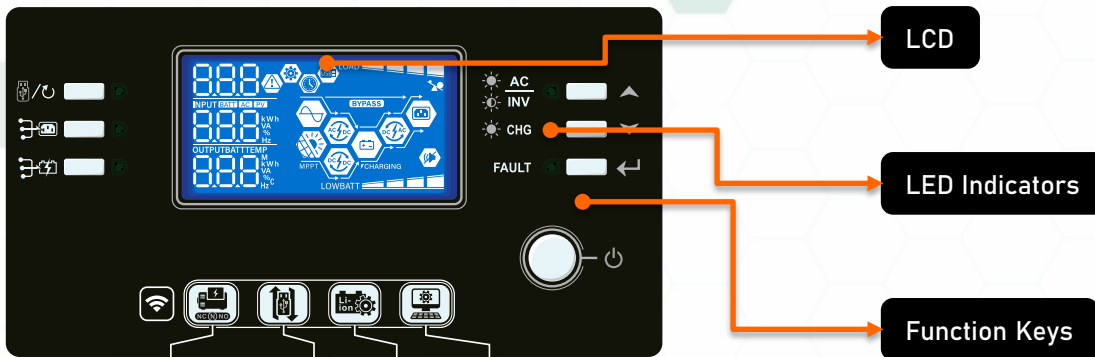


General Features	Values
Power Capacity	5000VA/ 5000W
Output Power Factor	1.0
LINE Mode/ ECO Mode Full Load	93% / 99%
BATTERY Mode Full Load	89%
PV Charger (Solar) & AC Charger	Values
Solar Charger Type	MPPT
Max. PV Array Open Circuit Voltage	500VDC
Max. PV Array Power	6000W
PV Array MPPT Volt. Range	120-430VDC
Max. Solar Charger Current	100A
Max. AC Charger Current	100A [30A]
Max. Charge Current	100A
Input Specifications	Values
Input Voltage Range	120-270 VAC (narrow range) 110-280 VAC (wide range) 176-280 VAC (ECO Mode)
Frequency (Synchronized Range)	50Hz or 60Hz
Input Type	Terminal
Output Specifications	Values
Nominal Output Voltage	230 VAC
Voltage Regulation	+/- 5%
Outlets	Terminal (1)
Battery Specifications	Values
Batteries	Designed to work with external Batteries / Is also Battery Independent
DC Voltage	48V (Led Bat) 51.2V (Lithium-Ion)
Transfer Time [AC to Battery]	0 ms from Line Mode to Battery Mode 10 ms from ECO Mode to Line Mode or Battery Mode

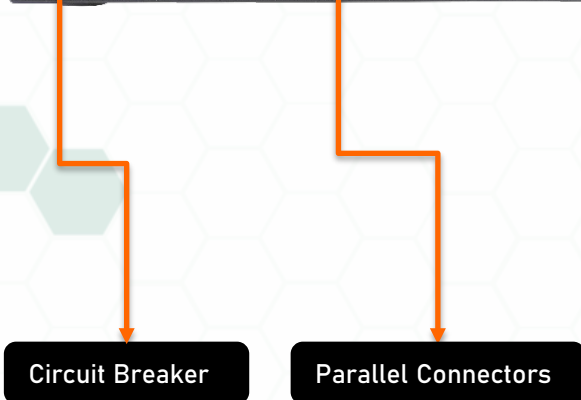
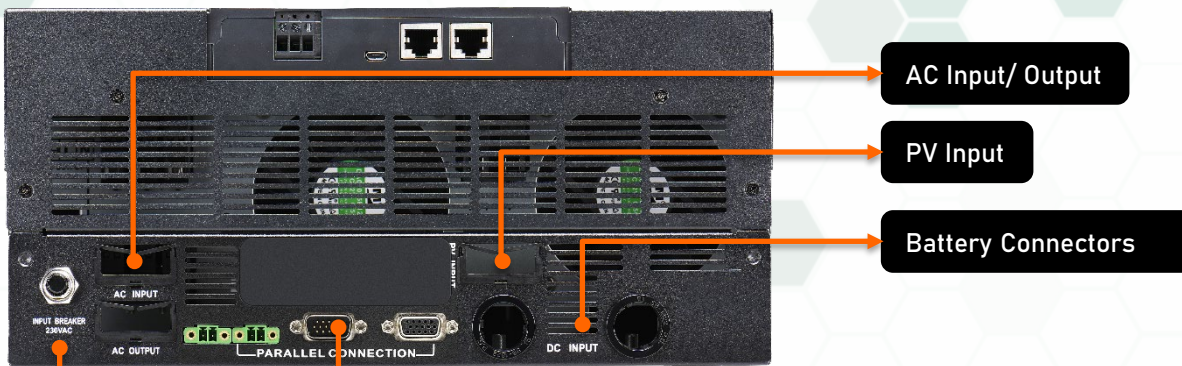
ZERO TRANSFER TIMES



Front Panel



Back Side Panel



This inverter will function as a centralized power solution to combine and coordinate:

- the incoming power of the grid,
- the energy production of the solar system, and
- the stored energy in the battery system.

With enough sun, start producing your own green energy!

Modes and Solar Priority Charging Settings:

1. Standby Mode (Only Charge Batteries)
2. Bypass/ Eco Mode (The grid provides power to the Loads and Batteries can be charged)
3. Line Mode (Many combinations are possible and Solar Priority can be setup)
4. Battery Mode (PV and/ or Batteries provide power to the loads)