

SOLAR INVERTER 3600-5600 SKY ON-GRID



- On-grid solar inverter with a configurable RGB LED-Ambient Ring for mode and status change.
- 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.
- **Strong and configurable AC/ PV Charger**
- Works perfectly with our ESS - LiFe Battery System
- Manage your solar inverter with the smartphone app: **SolarPower**

The PowerWalker Solar Inverter SKY series is a multi-functional on-grid inverter, combining features of inverter, solar charger and battery management to offer uninterrupted power supply. Its advanced touch LCD offers user-configurable and easy-accessible operation such as battery charging current and AC/ PV charger priority.

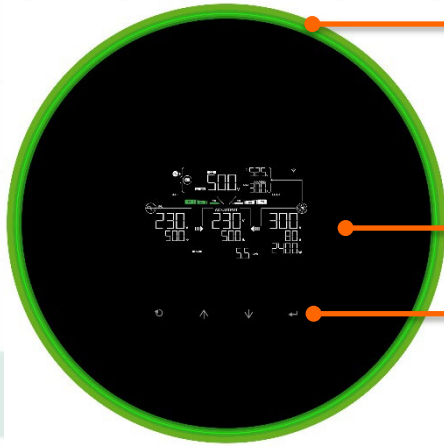


General Features	Values	
Power Capacity	3600VA/ 3600W	5600VA/ 5600W
Output Power Factor	1.0	
LINE Mode	95%	
BATTERY Mode Full Load	92%	
PV Charger (Solar) & AC Charger	Values	
Solar Charger Type	MPPT	
Max. PV Array Open Circuit Voltage	500VDC	450VDC
Max. PV Array Power	5000W	6000W
PV Array MPPT Volt. Range	120-430VDC	
Max. Solar Charger Current	100A	120A
Max. AC Charger Current	100A [30A]	120A [30A]
Max. Charge Current	100A	120A
Input Specifications	Values	
Input Voltage Range	170-270 VAC (narrow range) 90-280 VAC (wide range)	
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 (Lead Bat) 51.2V (Lithium-Ion)	
Transfer Time [AC to Battery]	10 ms in UPS Mode 20 ms in Appliance Mode	

LED-AMBIENT RING!



Front Panel

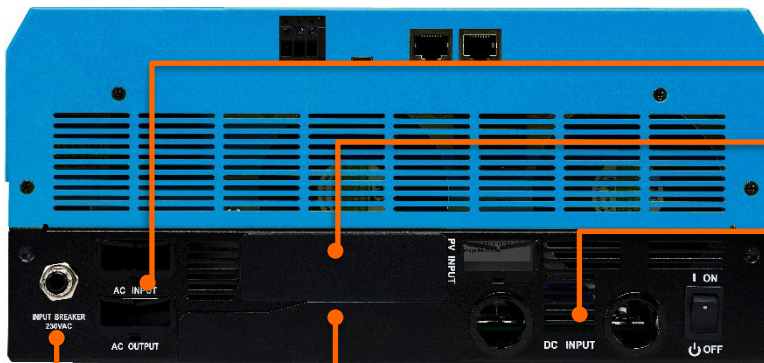


LED RGB Ring Indicator

LCD

Function Keys

Back Side Panel



AC Input/ Output

PV Input

Battery Connectors

Circuit Breaker

Parallel Connectors

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 set up)
4. Battery Mode (PV and/ or Batteries provide power to the loads)