SOLAR INVERTER 10-15K SVN ON-GRID

- **On-grid 3-phase solar inverter** compliant with German standards (VDE).

- Maximal PV peak power of 14,85kW/ 22,5kW with MPPT charger type technology.

- Pure Sine Wave Output

- Up to 6 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 SVN series is a multi-functional on-grid inverter, combining features of inverter, solar charger and battery management to offer uninterruptable power supply. Its advanced touch LCD offers user-configurable and easy-accessible operation such as battery charging current and AC/ PV charger priority. This series complies with German VDE standards, tested and certified.
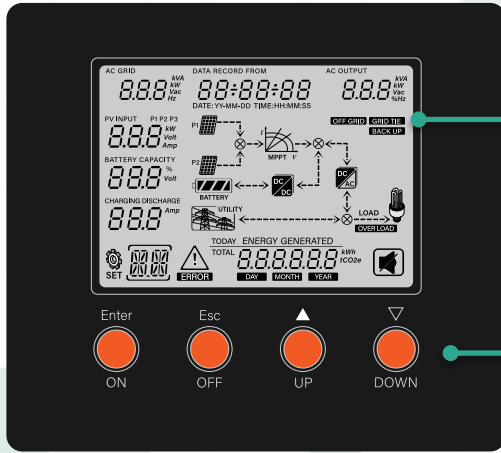
General Features	Values	
Power Capacity	10kVA/ 10kW	15kVA/ 15kW
Output Power Factor	1.0	
LINE Mode	93%	
BATTERY Mode Full Load	91%	
PV Charger (Solar) & AC Charger	Values	
Solar Charger Type	MPPT (2x)	
Max. PV Array Open Circuit Voltage	900VDC	900VDC
Max. PV Array Power	14,85kW	22,5kW
PV Array MPPT Volt. Range	350-950VDC	350-950VDC
Max. Solar Charger Current	200A	300A
Max. AC Charger Current	200A	300A
Max. Charge Current	200A	300A
Input Specifications	Values	
Input Voltage Range	170-290 VAC per phase	
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]	10 ms in UPS Mode	20 ms in Appliance Mode	

Front Panel

LCD

Function Keys

Enter	Esc	▲	▽
ON	OFF	UP	DOWN

Back Side Panel

AC Input/ Output

10k

PV Input

Parallel Connectors

15k

Battery Connectores

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. **Grid-tie with Back-up** (4 different modes are available, depending on the user's needs)
2. **Grid-tie** (to only feed back to the grid)
3. **Off-Grid** (3 different modes are available, depending on the user's needs)