The **POWERSTATION 247** is a fully integrated scalable system 5 kW, 10 kW to 15 kW. It's free standing cabinet is easy to install and easy to use. The system integrates up to 3 hybrid inverters, solar MPP-trackers, charge controller and lithium-iron batteries, also all necessary field wiring terminals and disconnect switches. It is truly and uniquely 'plug and play'.

1. **PV-Connection**
   - 6 PV-Strings Max.
2. **PV Disconnect**

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**POWERSTATION 247™**

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**1. PV-Connection**
- 6 PV-Strings Max.

**2. PV Disconnect**

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**Visual Display**

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**Grid Disconnect**

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**Grid Connection**
- AC Transfer Switch
- Smart Grid Manager

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**CAN-Bus Control Center**

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**1, 2 and 3 POWERMODULES®**
- each integrates:
  - Hybrid Inverter 5 kW
  - Dual MPP-Tracker 6 kW
  - Battery Charger 3 kW
  - Anti-Islanding Protection

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**Air Cooling**

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**PM Disconnect MCBs**

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**Battery Fuses**
- Battery Management

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**Battery Disconnect**

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**Lithium-Iron Battery Bank 96 V,**
- battery storage capacity 17.28 kWh to 30 kWh
POWERSTATION 247 DETAILED FEATURES AND ADVANTAGES

Feature: 
PV Disconnect Switch 
PV Input Distribution

Advantage: 
No external PV disconnect required
No external junction boxes 
Every PV-String connects directly!

Feature: 
High Efficient Automatic 
Enclosure Ventilation

Advantage: 
System reliability on hot days

Feature: 
Battery Circuit Breakers 
and Distribution

Advantage: 
No external components or 
installations required

Feature: 
Battery Disconnect Switch

Advantage: 
No external battery disconnect

Lithium batteries must be operated with a suitable battery management system (BMS). The POWERSTATION 247 is equipped with a BMS fulfilling the latest safety standards.

The National Electric Code NEC requires readily accessible disconnect switches for utility, PV-inputs, and battery. The POWERSTATION 247 incorporates all NEC-required disconnection switches.

1, 2 and 3 POWERMODULES each integrates: 
Hybrid Inverter 5 kW 
Dual MPP-Tracker 6 kW 
Battery Charger 3 kW 
Anti-Islanding Protection

Feature: 
Utility Disconnect Switch 
Automatic Load Transfer Switch 
Residential Energy Management 
Internet Connectivity

Advantage: 
No external grid disconnect required 
No external load transfer switch required 
PV harvest optimized for your customers own consumption 
Remote monitoring via smartphone

Feature: 
Battery 96 V/180 Ah 
LiFePO4 
Integrated Battery Management System

Advantage: 
No external battery 
No battery cabling 
Triple safety for battery 
No environmental issues