

# HOME 14



## Capacity 14kWh

sufficient to store the daily production of a small photovoltaic installation (up to 4kWp).

## Safe LiFePO<sub>4</sub> chemistry

Lithium-iron-phosphate design without cobalt eliminates the risk of rapid temperature rise.

## Top cell manufacturers

lifespan up to 6000 cycles.

## Intelligent protection

The BMS prevents overcharging, excessive discharging, and ensures operation under optimal conditions.

## Connection module

allows installation away from the photovoltaic inverter and distribution board.

## Parallel connection

allows for an expansion of the energy storage system's capacity



### SECURITY FEATURES

- ✗ Single cell overvoltage
- ✗ Single cell undervoltage
- ✗ Battery pack overvoltage
- ✗ Battery pack undervoltage
- ✗ Battery pack overtemperature
- ✗ Battery pack undertemperature
- ✗ Overcurrent protection
- ✗ Overcharge and over-discharge protection
- ✗ Short-circuit protection

### technical specification

#### Voltage and capacity

Nominal voltage	<b>51.2V</b>
Max. operating voltage range	<b>42.0-58.4V</b>
Nominal operating voltage range	<b>48.0-54.4V</b>
Capacity	<b>280Ah 14.336kWh</b>
Cycle life	<b>≥ 6000 cycles*</b>
Efficiency	<b>94%</b>
Configuration	<b>1P16S</b>

#### Operating conditions

Charge temperature	<b>0°C~40°C</b>
Discharge temperature	<b>-5°C~40 °C</b>
Storage < 3m	<b>-5°C~35 °C</b>
Storage > 6m	<b>25°C</b>
Humidity	<b>5~80%</b>
Altitude	<b>&lt;3000m</b>

#### Charge and discharge

Model	<b>14/150</b>	<b>14/100</b>	<b>14/50</b>
Nominal charge current	<b>150A</b>	<b>100A</b>	<b>50A</b>
Max. charge current	<b>170A**</b>	<b>120A</b>	<b>70A</b>
Nominal charge power	<b>7.68kW</b>	<b>5.12kW</b>	<b>2.56kW</b>
Nominal discharge current	<b>150A</b>	<b>100A</b>	<b>50A</b>
Max. discharge current	<b>170A**</b>	<b>120A</b>	<b>70A</b>
Nominal discharge power	<b>7.68kW</b>	<b>5.12kW</b>	<b>2.56kW</b>

#### Others

Dimensions HxWxD	<b>817×412×267mm</b>
Communication	<b>CAN/RS485/Bluetooth</b>
Weight	<b>113 kg</b>

\*Under recommended operating conditions.

\*\* At temperatures of 25 ± 2°C