



## Capacity 28kWh

sufficient to store the daily production of a small photovoltaic installation (up to 8kWp).

## 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	51.2V
Max. operating voltage range	42.0-58.4V
Nominal operating voltage range	48.0-54.4V
Capacity	560Ah   28.672kWh
Cycle life	≥ 6000 cycles*
Efficiency	94%
Configuration	2P16S

Operating conditions

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

Charge and discharge

Model	28/180	28/140	28/90	28/60
Nominal charge current	180A	180A	180A	180A
Max. charge current	200A**	200A**	200A**	200A**
Nominal charge power	9.21kW	9.21kW	9.21kW	9.21kW
Nominal discharge current	180A	140A	90A	60A
Max. discharge current	200A**	140A	90A	60A
Nominal discharge power	9.21kW	7.168kW	4.608kW	3.072kW

Others

Dimensions HxWxD	829x800x280mm
Communication	CAN/RS485/Bluetooth
Weight	210 kg

\*Under recommended operating conditions.

\*\* At temperatures of 25 ± 2°C