



Capacity 32kWh

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

Safe LiFePO₄ chemistry

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

Top cell manufacturers

lifespan up to 8000 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.

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



Voltage and capacity

Nominal voltage	51.2V
Max. operating voltage range	42.0-58.4V
Nominal operating voltage range	48.0-54.4V
Capacity	628Ah 32.154kWh
Cycle life	≥ 8000 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	32/180	32/140	32/90
Nominal charge current	180A	180A	180A
Max. charge current	200A**	200A**	200A**
Nominal charge power	9.21kW	9.21kW	9.21kW
Nominal discharge current	180A	140A	90A
Max. discharge current	200A**	140A	90A
Nominal discharge power	9.21kW	7.168kW	4.608kW

Others

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

*Under recommended operating conditions.

** At temperatures of 25 ± 2°C

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