



Capacity 16kWh

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

Intelligent protection

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

Safe LiFePO₄ chemistry

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

Connection module

allows installation away from the photovoltaic inverter and distribution board.

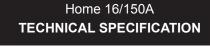
Top cell manufacturers

lifespan up to 8000 cycles.

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

Voltage and capacity

Nominal voltage	51.2V
Max. operating voltage range	42.0-58.4V
Nominal operating voltage range	48.0-54.4V
Capacity	314Ah 16.076kWh
Cycle life	≥ 8000 cycles*
Efficiency	94%
Configuration	1P16S

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

16/150
150A**
7.68kW
150A**
7.168kW

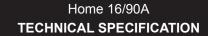
Others

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

^{*}Under recommended operating conditions.

^{**} At temperatures of 25 ± 2°C









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

Voltage and capacity

Nominal voltage	51.2V
Max. operating voltage range	42.0-58.4V
Nominal operating voltage range	48.0-54.4V
Capacity	314Ah 16.076kWh
Cycle life	≥ 8000 cycles*
Efficiency	94%
Configuration	1P16S
Configuration	1P16

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	16/90
Max. charge current	150A**
Max. charge power	7.68kW
Max. discharge current	90A
Max. discharge power	4.608kW

Others

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

^{*}Under recommended operating conditions.

^{**} At temperatures of 25 ± 2°C



1P16S







SECURITY FEATURES

- ★ Single cell overvoltage
- ✗ Single cell undervoltage
- ✗ Battery pack overvoltage
- Battery pack undervoltage
- ✗ Battery pack overtemperature
- ✗ Battery pack undertemperature
- ✗ Overcurrent protection
- $oldsymbol{arkappa}$ Overcharge and over-discharge protection
- ✗ Short-circuit protection

Nominal voltage	51.2V
Max. operating voltage range	42.0-58.4V
Nominal operating voltage range	48.0-54.4V
Capacity	314Ah 16.076kWh
Cycle life	≥ 8000 cycles*
Efficiency	94%

Operating conditions

Configuration

Voltage and capacity

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	16/60
Max. charge current	150A**
Max. charge power	7.68kW
Max. discharge current	60A
Max. discharge power	3.072kW

Others

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

^{*}Under recommended operating conditions.

^{**} At temperatures of 25 ± 2°C