LFP1P16S292BOX

HOME 15



Capacity 15kWh

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

Safe $LiFePO_4$ 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.

Parallel connection

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

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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	292Ah | 15kWh
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

Model	15/150
Max. charge current	150A**
Max. charge power	7.68kW
Max. discharge current	150A**
Max. discharge power	7.68kW

Others

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

*Under recommended operating conditions.

** At temperatures of 25 ± 2°C

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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	292Ah | 15kWh
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

Model	15/90
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

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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	292Ah | 15kWh
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

Model	15/60
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

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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	292Ah | 15kWh
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

Model	15/30
Max. charge current	150A**
Max. charge power	7.68kW
Max. discharge current	30A
Max. discharge power	1.536kW

Others

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

*Under recommended operating conditions.

** At temperatures of 25 ± 2°C