LITHIUMVALLEY





Home Energy Storage Battery Series

W10-E5 | **51.2V 200Ah 10.24kWh**

Version: V1.0







The W10-E5 is a comprehensive home wall-mounted solar lithium battery. It features built-in high-quality, high-capacity LiFePO4 batteries, ensuring a long system lifespan for the battery. The independently designed Battery Management System (BMS) has been verified to be compatible with inverters from different brands,supporting hybrid grid-tied and off-grid operation modes.

FEATURES

Multi-Scenario

- IP21 protection rating for all-weather use

Longer Life and Safer

- A+ grade lithium iron phosphate

Low Maintenance

- Firmware update service via built-in BLE
- Check battery operation status and configure BMS via BLE

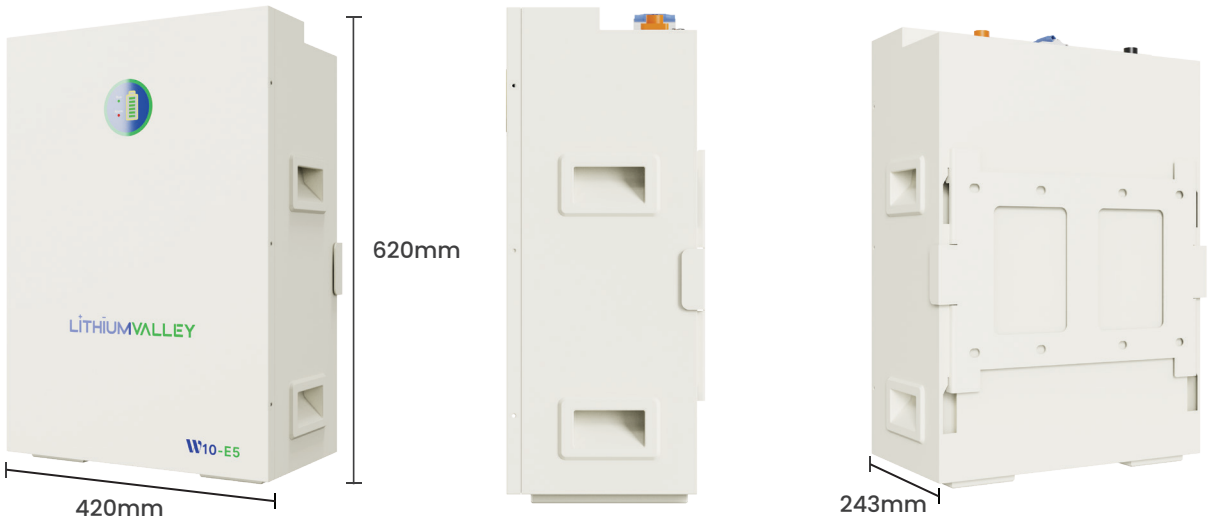
Flexible and Expandable

- Up to 20 units in parallel
- The parallel system's max capacityis 204.8kWh

Certification

- IEC62619,UN38.3, MSDS, Marine Report

Dimensions



Product Name	W10-E5
Electrical Characteristics	
Nominal Voltage	51.2V
Rated Capacity	200Ah
Energy	10240Wh
Cell Technology	Lithium Iron Phosphate (LFP)
Cycle Life	6,000 cycles @ 70%DOD，25°C/0.5C
Operating Voltage	44.8~58.6V
Communication Interfaces	RS232 / CAN / RS485
Scalability	Up to 20 units
Expansion Function	Bluetooth
Charge & Discharge	
Standard Charging/Discharging Current	100A
Max continuous charge/discharge current	200A
Conversion Efficiency	99%, 25°C/0.5C
Environmental	
Working Environment	indoors/Under the outdoors eaves
Charging Temperature	0~55°C（32° F~131° F）
Discharging Temperature	-20~60°C（-4° F~140° F）
Storage Temperature	20°C to 45°C (68 ° F to 113 ° F) with in three months; 25±3°C (77° F±5.4° F) for more than three months
Storage Humidity	65+20%RH
Cooling	Natural Convection
IP Rating	IP21
Mechanical	
Dimension(L*W*D)	620*420*243 mm
Weight(approximately)	86.8kg
Installation	Wall mounted or floor
Certification	
IEC62619,UN38.3, MSDS, Marine Report	

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.
*The specifications are subject to change without prior notice.

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