LITHIUMVALLEY





Home Energy Storage Battery Series

W5-25R 25.6V 200Ah 5.12kWh

Version: V1.3







The W5-25R 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

Full-Scenario Coverage,Empowering Household Energy Freedom

- PV + Peak-Valley: More self-use,profit from price gaps.
- Emergency Backup: Seamless switch, APP & WiFi/BT control.
- Space + Decarbonization: Fits small homes, visualizes carbon emissions.

Longer Life and Safer

Core Defense Line: A Decade of Worry-Free Home Protection

- Cell safety: LFP, stable, runaway free.
- BMS protection: ms cutoff (overcharge/discharge/short), auto-cutoff >60°C, 70% efficiency across -20°C to 60°C.
- All-weather reliable: WiFi monitoring, IP65, salt-fog proof.
- Smart Maintenance: Auto-detects inverter connection & automatically isolates faulty modules.
- Extended Lifespan: Cost-effective model – 10 years worry-free.

Efficient Maintenance

mart, Predictive Maintenance: Cuts Costs by 70%

- Predict lifespan:6 months ahead, 92% accuracy.
- Cloud upgrade: Instant refresh, global APP, remote energy control.
- Remote diagnosis: Real-time data (V/T/Cap), one-click fault codes.
- Self-Maintenance: Auto-sleep

Flexible and Expandable

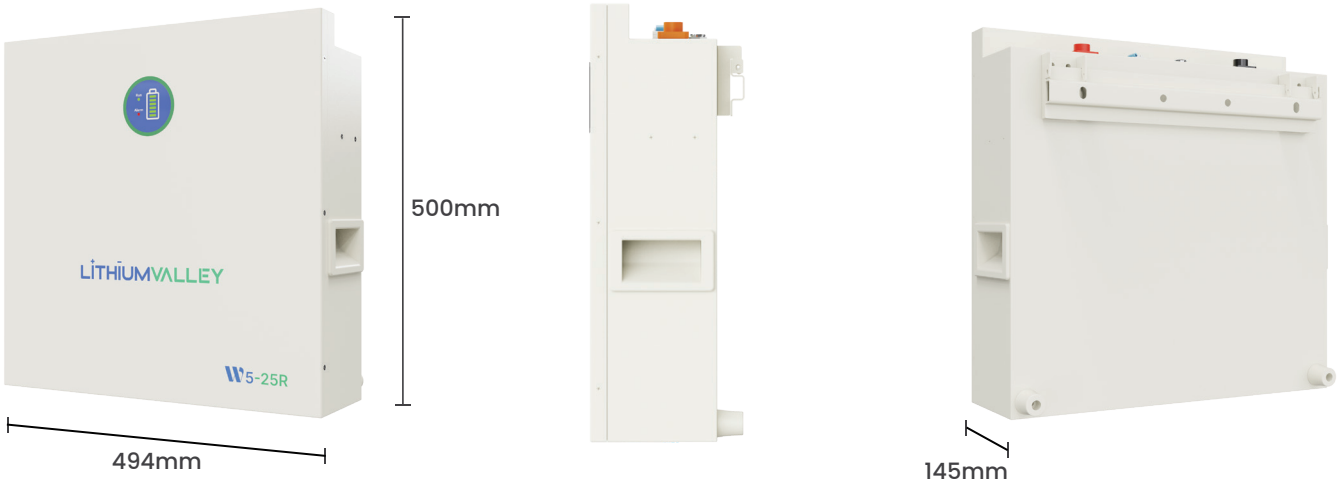
Smart Scalability: Flexible Architecture, Adapts On-Demand

- Flexible Installation: IP-rated protection withstands dust and moisture. Suitable for garage, balcony, or outdoor wall.
- Simple Parallel Connection: Supports up to 20 units

Compatible with inverters

- SMA/Schneider/Sungrow/Victron energy/Ingeteam/Solis/GoodWe/Growatt/SAJ/Solplanet/Luxpower/Deye/Apsystem etc/Afore/Sosen

Dimensions



Product Name	W5-25R
Battery Type	$LiFePO_4$
Rated Energy	5.12kWh
Rated Capacity	200Ah
Rated Voltage	25.6V
Operating Voltage Range	22.4~28.8V
Recommended Charge/Discharge Current	100A
Max Continuous Charge/Discharge Current	200A
Peak Discharge Current	250A@2S
Depth of Discharge (DOD)	95%
Net Weight (Approx)	45.6kg
Dimensions (W/D/H)	494/145/500mm
Charging Temperature Range	0~55°C
Discharging Temperature Range	-20~55°C
Wi-Fi Module	Built-in Wi-Fi module; APP and OTA functions
Communication Method	CAN/RS485
Cycle Life	6000 Cycles@70%DOD（25°C/0.2C）
IP Code	IP20
Capacity Expansion	Max. 20 modules in parallel
Advantages	Suitable for off-grid and on-grid modes, compact design
Installation Method	Wall-mounted

Certification
UN38.3/MSDS/Shipping Report

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

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