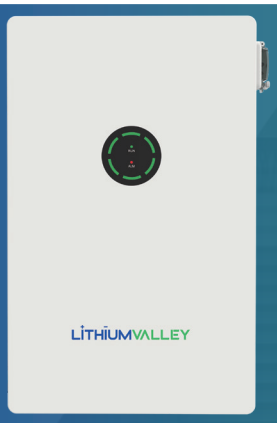
LITHIUMVALLEY





Home Energy Storage Battery Series

Battery-W16+ | **51.2V 314Ah 16.07kWh**

Version: V1.0







The Battery-W16+ is a comprehensive home wall-mounted solar lithium battery. It features built-in high-quality, high-capacity $LiFePO_4$ 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	Battery-W16+
Battery Type	$LiFePO_4$
Rated Energy	16.07kWh
Rated Capacity	314Ah
Rated Voltage	51.2V
Operating Voltage Range	44.8~57.6V
Recommended Charge/Discharge Current	150A
Max Continuous Charge/Discharge Current	200A
Peak Discharge Current	250A@10S
Depth of Discharge (DOD)	98%
Discharge capacity	307.72Ah
Net Weight (Approx)	165.5kg
Dimensions (W/D/H)	500/227/800 mm (without wheels)
Charging Temperature Range	0~55°C
Discharging Temperature Range	-20~60°C
Wi-Fi Module	Built-in Wi-Fi module; APP and OTA functions
Communication Method	CAN/RS485
Cycle Life	8000 Cycles@90%DOD（25°C/0.5C）
IP Code	IP65 (Salt Fog Resistant)
Active Fire Protection System	Aerosol fire extinguisher
Capacity Expansion	Max. 20 modules in parallel
Advantages	Suitable for off-grid and on-grid modes, Compact design

Certification
UN1973/UL9540A/UL9540/UN38.3

*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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