LITHIUMVALLEY

Residential LFP Battery Series

W15-5A | **51.20V 280Ah 14.336kWh**

Version: V1.0

The W15 - 5A is a solar lithium battery for home use. Its intelligent Battery Management System (BMS) can monitor and optimize battery performance in real - time, extend its service life, and enable remote control via a mobile app, making it convenient for you to track your home's energy situation. It is easy to install, and the wall - mounted design saves space. In case of an emergency, it can serve as a power bank to supply power to home appliances, adapting to various scenarios.

Dongguan Lithium Valley Energy Co., Ltd.

FEATURES

Multi-Scenario

- With optional detachable wheels, the battery also offers mobile energy storage functionality
- IP65 protection rating for all-weather use

Longer Life and Safer

- A+ grade lithium iron phosphate
- Built-in hot aerosol fire extinguishing device

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 286kWh

Certification

- UN38.3,MSDS,TCAR, CB, CEI 0-21

Dimensions

Product Name	W15-5A
Electrical Characteristics	
Nominal Voltage	51.2V
Nominal Capacity	280Ah
Energy	14,336Wh
Battery Chemistry	Lithium Iron Phosphate (LFP)
Cycle Life	DOD 90% 6000cycles 77°F (25°C), 0.5C/0.5C
Operating Voltage	44.8~57.6V
Communication Interfaces	CAN/RS485/RS232
Scalable	Up to 20units
Expansion function	Single-pack level heat aerosol fire extinguishing device / Heating function / Bluetooth / Wheels (optional)
Charge & Discharge	
Recommended charging/discharging current	140A
Maximum continuous charge/discharge current	200A
Recommended charging/discharging current	250A 10S
Conversion efficiency	99% , 25˚C/0.5C
Environmental	
Environment	Indoors/under the outdoor eaves
Charging Temperature	With heating function: -20~55˚C ; Without heating function: 0~55˚C
Discharging Temperature	-20 to 60 °C
Storage Temperature	Between 20°C and 45°C within three months; 25 ± 3°C for more than three months
Storage humidity	65+20%RH
Altitude	≤3,000 m
Cooling Method	Natural Convection
IP Rating	IP65
Mechanical	
Dimension(L*W*D)	800*500*227mm
Weight	133.58kg
Installation	Wall mount or floor
Certification	
UN38.3, MSDS, TCAR, CB, CEI 0-21	

*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.