

LiFePO4 Battery

Precision Storage, Portable Power

51.2V 144.2AH 7.38kwh

LiFePO4
Safer by Design

6000
cycles



**Built-in
fire extinguisher**

Wi Fi

BMS



A reliable and efficient solution for your demands. Boasting robust performance and user-friendly setup, it fits perfectly into all kinds of scenarios. Whether for industrial use, commercial spaces or outdoor power systems, our LiFePO4 battery delivers stable and long-lasting energy storage.

Introduction



Unique Design

Space-saving wall-mounted design with sleek lines, blending modern minimalism into any home interior.



Flexible Capacity

Flexible parallel expansion, scalable to match your power needs.



Easy Installation

Simple structure, quick installation, effortless wall mounting and wiring.



Safe & Reliable

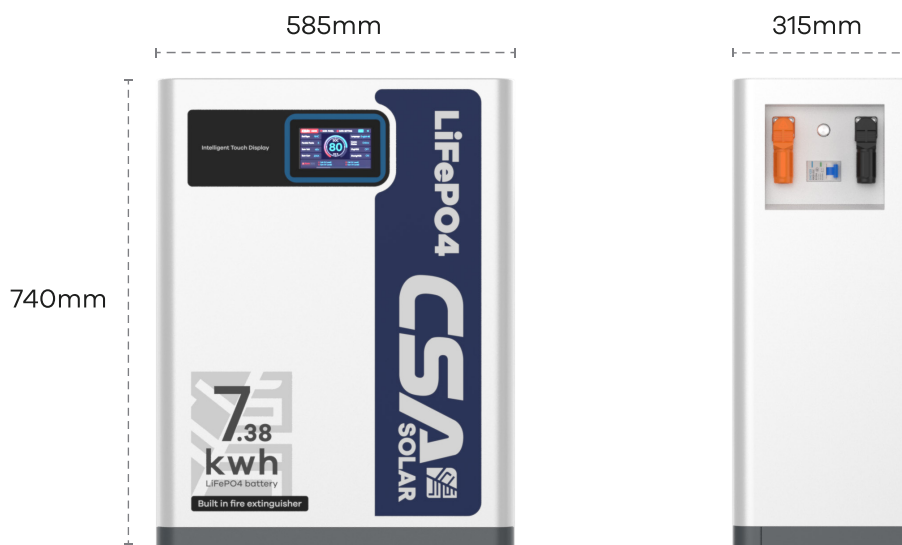
Multiple safety protection, stable performance, ensure long-term safe power supply.



Certifications

Fully certified with CE, IEC, UN38.3 and MSDS compliance, ensuring global quality and safety standards.

Dimensions



Specific Parameters

Model	Matrix-7.5
Rated Voltage	51.2 V
Rated Capacity	144.2 Ah
Rated Energy	7.38 kWh
Dimensions (L×W×H)	585 × 315 × 740 mm
Weight	63 kg (Net) / 69.4 kg (Gross)
Discharge Cut-off Voltage	42.4 V
Charge Cut-off Voltage	58.4 V
Standard Charge/Discharge Current	48 A (~0.33C)
Continuous Charge/Discharge Current	144.2 A (~1C)
Maximum Charge Current	576.9 A (~4C peak)
Maximum Discharge Current	576.9 A (~4C peak)
Operating Temperature	Charge 0~50°C / Discharge -20~60°C
SOC Range / Recommended	5%~100% / 15%~95%
Communication	CAN / RS485 / RS232
Protection Level	IP20
Max Parallel Modules	15 modules

Core Accessories & Adaptation

1. Exclusive parallel connection cables are provided as standard, which are one-to-one matched with battery modules; Mixed insertion is strictly prohibited
2. Supports multi-group parallel connection and is compatible with battery rack installation; for outdoor integrated power cabinets, the battery rack-type installation scheme can be referred to
3. BMS supports communication cascade and can be connected to the dynamic loop monitoring system via RS485 network cable