

Energy Storage Battery

Low-Voltage Battery Series: SW LFP 5-US

- LiFePO₄ Cell, Your Safer Choice



Fully Compliant with
the US Energy Storage
Requirements.



Max. 16 pcs in Parallel
or 16 pcs in Series.



Strong Performance

- Up to 60A Discharge Current
- More than 6,000 Cycle Life at 25°C
- Support Voltage Wake-up under Off-Grid System Scenarios
- Intelligent BMS Management, Remote Monitoring



Easy Installation

- Wall or Ground Mounting, Flexible for System Installation
- 45 kg Battery Pack



Flexible Investment

- 5.1 kWh Modular Design
- Max. 16 pcs Connected in Parallel or in Series
- Compatible with both New & Old Versions Batteries in Parallel



Safe & Reliable

- Integrated Relay, DC Breakers
- Over-Current / Over-Voltage / Short Circuit / Under-Voltage / Over-Temperature, 5-Layer Electric Protection
- 10-Year Long Warranty

DATASHEET

SW LFP 5-US

Battery Type	LiFePO ₄ , Prismatic Cell
Nominal Energy	5.1kWh
Usable Energy*	4.7kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	48~56V
Recommended Charge&Discharge Current	50A/50A
Max Charge/Discharge Current	60A/60 A
Peak Discharge Current	120A(3S)
Peak Discharge Power	6kW(3S)
Recommended Depth of Discharge (DOD)	93%
Charging Temp. Range	From 0~55°C
Discharging Temp. Range	From -10~55°C
Cycle Life	> 6000@25°C
Scalability	16 Parallel/16 Series
Communication	CAN/ RS485
IP Rating	IP20
Recommended Humidity	5%~95%(No condensed water)
Cooling Type	Natural cooling
Color	White
Installation	Wall mounted/Ground mounted
Net Weight	45kg
Dimension(W*H*D)	442*133*520mm
Protection	Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature
Warranty	10 years*
Certification	UN38.3/UL1973/CE/IEC 62619/UL9540A

• Testing conditions based on temperature 25 °C at the beginning of life.

• *Total Energy/Usable Energy measured under specific conditions by 0.2C CC-CV and based on recommended DOD(93%).