

Energy Storage Battery

High/Low-Voltage Battery Series: SW LFP 16-EU

LiFePO₄ Cell, Your Safer Choice



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

One Battery System,
Adapts to both High-Voltage
and Low-Voltage Scenarios.



Strong Performance

- More than 6,000 Cycle Life at 25°C
- Support Automatic Wake-up under Off-Grid System Scenarios
- Support Voltage Balancing between Battery Cells & Battery Pack
- Intelligent BMS Management, Remote Monitoring



Easy Installation

- Wall or Ground Mounting, Flexible for System Installation
- Flexible Configuration, Adapting to Series or Parallel Connection Method



Flexible Investment

- 16 kWh Pack Design
- Max. 16 pcs Connected in Parallel or 12 pcs Connected in Series
- Compatible with both New & Old Versions Batteries in Parallel



Safe & Reliable

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

DATASHEET

SW LFP 16-EU

Battery Type	LiFePO ₄ , Prismatic Cell	
Nominal Energy*	16.076kWh	
Usable Energy*	14.5kWh	
Nominal Capacity	314Ah	
Nominal Charge/Discharge Power	10.2kW	
Peak Power(Only Discharge)	10.6kW for 3s	
Operating Voltage	48~56V	
Nominal Voltage	51.2V	
Nominal Current	200A	
Max. Charge Voltage	57.6V	
Weight	119kg	
Dimension(L*W*H)	855*450*235 mm	
Recommended Depth of Discharge (DOD)	90%	
Operating Condition	Indoor	
Operating Temperature	Charge	From 0~55°C
	Discharge	From -10~55°C
Recommended Humidity	<60%(No condensed water)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Color	White	
Installation	Wall mounting/Ground Installation	
IP Rating	IP 20	
Protective Class	I	
Max. Connection Number	16P/12S	
Warranty	10 years	
Communication	CAN/ RS485	
Protection Mode	Dual hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature	
Safety	CE/TUV	
Hazardous Material Classification	9	
Transportation	UN38.3	

- 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.