

Energy Storage Battery

Low-Voltage Battery Series: SW LFP 16MP-EU

LiFePO₄ Cell, Your Safer Choice



IP65 Protection.
16 kWh Large
Capacity, Protects
Your Energy Stability.



Strong Performance

- Fast Charge/Discharge, Max. 200A Charge / Discharge Current
- More than 8,000 Cycle Life at 25°C
- LiFePO₄ Cell for Safety Operation
- Support Discharging from -10°C to 55°C
- Support Voltage Balancing between Battery Cells & Battery Pack
- Automatic Self-Heating with Built-in Heating Module (optional)
- Built-in Fire Extinguisher
- Intelligent BMS Management, Remote Monitoring for Real-Time Energy Usage and Equipment Operation



Flexible Investment

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



Safe & Reliable

- IP65 Protection Rating
- Integrated MOS, DC Breakers
- Over-Current / Over-Voltage / Short Circuit / Under-Voltage / Over-Temperature, 5-Layer Electric Protection
- 10-Year Long Warranty

DATASHEET

SW LFP 16MP-EU

Battery Type	LiFePO ₄ , Prismatic Cell	
Nominal Energy	16.076kWh	
Usable Energy*	14.95kWh	
Nominal Capacity	314Ah	
Nominal Voltage	51.2V	
Operating Voltage	48~56V	
Under Lead-acid Mode	Recommended Current	800A
	Recommended Voltage	48~55.2V
Recommended Charge&Discharge Current	100A/100A	
Max Charge/Discharge Current	200A/200A	
Peak Discharge Current	240A(3S)	
Peak Discharge Power	12kW(3S)	
Recommended Depth of Discharge (DOD)	93%	
Charging Temp. Range	From 0~55°C	
Discharging Temp. Range	From -10~55°C	
Cycle Life	≥8000@25°C	
Scalability	16 Parallel	
Fire Protection	Built-in aerosol(optional)	
Communication	CAN/ RS485	
IP Rating	IP65	
Recommended Humidity	5%~95%(No condensed water)	
Cooling Type	Natural cooling	
Color	White	
Installation	Floor-mounting/Stack-mounting	
Net Weight	115±2 kg	
Dimension(L*W*D)	480*750*235mm	
Protection	Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature	
Top Cover	Yes (Optional)	
Heating Module	Yes (Optional)	
Warranty	10 years*	
Certification	UN38.3/CE/IEC 62619(Cell)	

• 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%)