

SP-LV5120-W1 Series / 5.12kWh

Residential Low Voltage Lithium Battery



- Long Design Life
- Multiple Protection
- Modular Design
- Dekra Certification
- Scalable & Flexible
- Remote management & maintenance

Two Installation Methods:



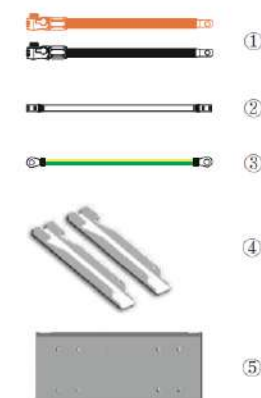
Specification

Product Name	Rechargeable Lithium Iron Phosphate Battery
Module Model	SP-LV5120-W1
Battery Type	LFP 16S1P
Nominal Capacity	100Ah / 5.12kWh
Rated Energy*2	4.85 kWh
Nominal Voltage	51.2V
Working Voltage	43.2~57.6V
Charging Voltage	57.6V
Max. Continuous Charge Current*3	50A
Max. Continuous Discharge Current*4	100A
Communication	RS485,CAN,WIFI(Optional)
Storage Temperature	0°C ~ 45°C (Recommended)
Storage Humidity	≤85% (RH)
Working Temperature	Charging: -10°C ~ 50°C, Discharging: -20°C ~ 50°C
Working Humidity	≤95% (RH) No Condensation
Working Altitude	≤2000m
Ingress Protection	IP65
Protective Class	I
Weight	45kg
Dimension(W x D x H, mm)	420 x 140 x 650
Design Life	15Years (25°C)
Cycle Life	> 6000 (25°C)
Scalability	Recommended ≤3, (Max. 8 in parallel)
Certification	CE/UKCA, CEI0-21, CB: , IEC62619, IEC/EN61000-6-1/3, IEC62368, ROHS, UN38.3, MSDS, DEKRA SEAL

Matching List



Accessories



- ① Inverter to Battery Positive & Negative Power Cables
- ② RJ45 Communication Cable
- ③ Grounding Cable
- ④ Square Tube Support (Fixed On The Back Of The Battery Pack)
- ⑤ Bracket (Fixed On The Wall)

*1 Test conditions: cell voltage 2.0~3.65V, 25±2 °C, 0.5C charge and 1C discharge.
*2 Test conditions: Fresh battery, 95% depth of cell discharge, 25 ±2 °C, 0.5C charge and 0.5C discharge.
*3, *4 Affected by temperature and SOC state.