

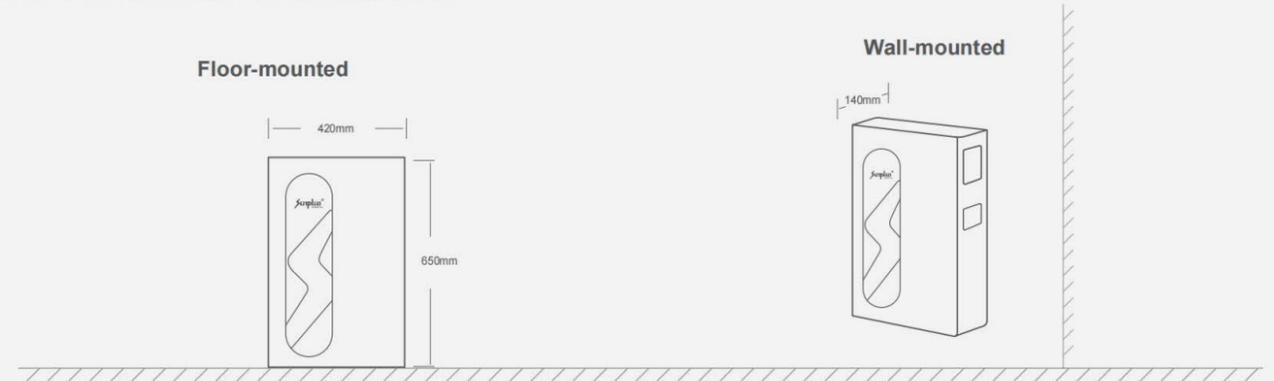
SP-LV5120-W1 Series / 5.12kWh

Residential Low Voltage Lithium Battery



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

Two Installation Methods:



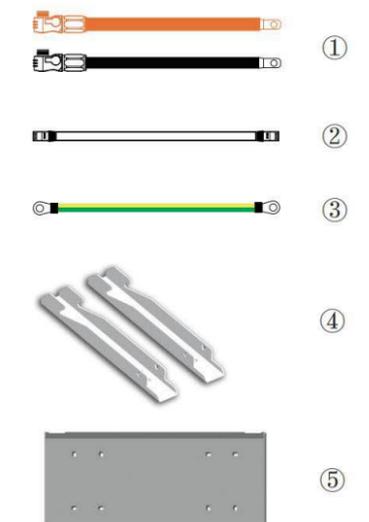
Specification

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(Wx DxH, 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 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.

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)