

SP-LV5120-W1 Series / 5.12kWh

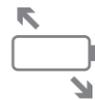
Residential Low Voltage Lithium Battery



Over Current Protection



Over Charge Protection



Over Discharge Protection



Cell Balance Function



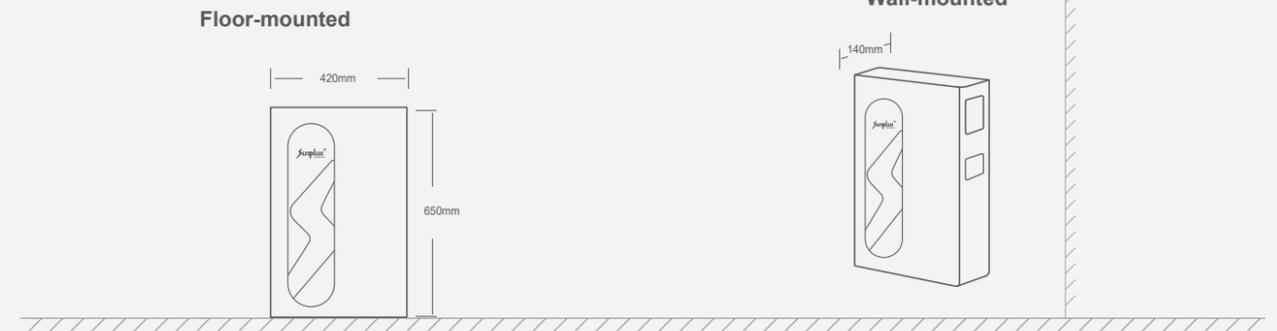
Short Current Protection



Temperature Protection

- Built-in BMS
- Battery power: 5.12kW
- Support in Black-start system
- 10-year product warranty
- Natural cooling
- Long Design Life
- Multiple Protection
- Modular Design
- Dekra Certification
- Scalable & Flexible
- Remote management, maintenance & software update

Two Installation Methods:



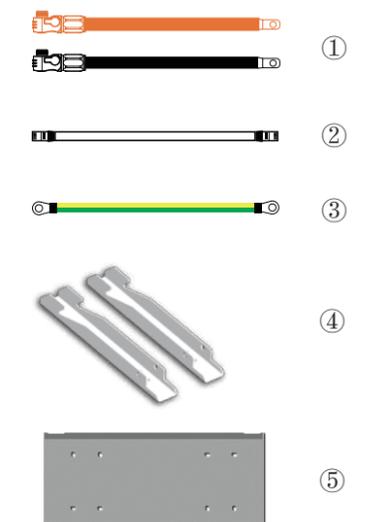
Specification

Product Name	Rechargeable Lithium Iron Phosphate Battery
Module Model	SP-LV5120-W1
Battery Type	LFP 1P16S
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
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)
Construction	Modular, possibility of expanding the energy storage; Recommended ≤ 3, (Ma x. 8 in parallel)
Certification	CE/UKCA, CEI0-21, CB: , IEC62619, EMC (IEC 61000-6-1; IEC 61000-6-3) + RED,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)