

SP-LV-W2 Series / 5.12~7.68kWh

Low-voltage Residential Battery



IP21



Double and robust mechanical protection



IP21 supporting indoor installation



Intelligent BMS with multiple protections

90% DOD

Reliable performance: high efficiency and 90% DOD



Long cycle life and safest prismatic LFP batteries



Easy and quick installation and expansion with modular design, up to 5 units in parallel

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

Model	SP-LV-5120-W2	SP-LV-7680-W2
Cell Type	LFP	
Nominal Voltage	51.2V	
Operating Voltage Range	43.2V - 57.6V	
Nominal Capacity	100Ah	150Ah
Nominal Energy	5.12kWh	7.68kWh
Max. Power	Charge: 4.1kw; Discharge: 5.12kw	Charge: 5.12kW; Discharge: 5.12kW
Depth of Discharge	100%, recommending 90%	100%, recommending 90%
Usable Energy	5.12kWh	7.68kWh
Dimension(W*H*D)	335*622*135.5 mm	585*364*165.5 mm
Weight	42.6kg	63kg
Max. Charge/Discharge Current	100A / 100A	
Operating Temperature	Charge: 0 °C - 50°C; Discharge: -10°C - 55°C	
Operating Humidity	5% - 95%	
Storage Temperature	-20°C to +60 °C	
Operating Attitude	< 4000m	
Communication	RS485 / CAN	
Scalability	Up to 5 Modules / 25kWh	Up to 5 Modules / 38.4kWh
Cooling Type	Natural	
Ingress Protection	IP21	
Installation Location	Wall -mounted	
Cycle Life	6000 Cycles[1]	
Authentication Level	IEC61000/UN38.3	

[1]: Test conditions: 0.5C Charge/0.5C Discharge, @25°C, 90% DOD, 70% EOL.