

SP-LV1024-G2 Series / 10.24kWh

Residential Low Voltage Lithium Battery



Class 9/CE, UN38.3, MSDS, RoSH

IP65
Level

IP65 Level



10kwh capacity



Advanced BMS management



6000 cycles life
(DoD 80%)



High-density LiFePO4
battery



Compatible with mainstream
inverters

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

Basic Information

Nominal Voltage	51.2V DC
Voltage Range	44V-58.4V
Nominal Capacity	200Ah
Rated Capacity	10.24kWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	15
Cycle Life	6000 cycles (@80% DoD)
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection

Charging Parameters

Recommended Charging Current	100A
Max. Charging Current	200A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V
Charge Rate	0.5C

Discharging Parameters

Recommended Discharging Current	100A
Max. Discharging Current	200A
Recommended Battery Discharge Cut-off Voltage	44V
Battery Cut-off Voltage	43.2V
Battery Recovery Voltage	48V
Discharge Rate	0.5C

General Parameters

Dimension	800*580*220mm
Gross/Net Weight	120kg/101kg
Shell Material	Sheet Metal
Protection Rating	IP65
Installation Method	Floor type
Cell Type	LiFePO4

Certification & Safety Standard

Safety Certification	CE
Temperature Safety Certification	UN38.3,Class9, MSDS, RoSH

Temperature Parameters

Discharging Temperature	-20~+65 °C
Charging Temperature	0~+55 °C
Storage Temperature	-20~+45 °C