

5KWh Semi Solid State LiFePO₄ Battery

Household Energy Storage 51.2V/100Ah

Floor-Standing & Wall Mounted LiFePO₄ Battery

- SPDTON-512100-L
- SPDTON-512100-S



► Description:

A sleek and space-saving solution for your energy storage needs. With its compact design and easy installation, whatever wall-mounted or floor standing, multi-install ways can meet different customers requirement. Even more the IP65 protection design, it seamlessly blends into any environment, whether in your home, office, or outdoor space, our unit provides reliable and efficient energy storage, empowering you to optimize energy usage and reduce waste.

☀ IP65 Protection:

High standard design requirements suitable for both indoor and outdoor installation.

☀ The Flexible Installation:

Include floor-standing and wall-mountable options, and both side output make the installing more flexible.

☀ Plug & Play Easy Extend:

Adopt quick connector, which saves time during installation. Simply put in the plugs and quickly paralleled up to 8 units.

☀ Wide Range of Applications:

It has been proven to be compatible with over 20 storage inverters.

☀ The Shunt Trip Function:

Ensures that the system will not shut down even if any abnormalities in parallel operation. And the abnormality unit can be automatically cut off separately.

☀ Boasts a Long Life:

Car grade LFP cells, which has the longest lifespan and highest safety standards.

☀ The Modular Design:

The BMS system is equipped with a virtual host, which runs independently when connected in parallel. It keeps whole system still on working when any abnormality during the parallel connection. With the ability to parallel up to 8 pieces.



Model	SPDTON-512100-L	SPDTON-512100-S
Basic Parameter		
Cell Type	LiFePO ₄	Semi Solid State LiFePO ₄
Nominal Capacity	100Ah	
Nominal Voltage	51.2V	
Energy	5120Wh	
Charge Voltage	58.4V	
Discharge Cut-off Voltage	44.8V	
Charge Method	CC/CV	
Standard Charge Current	50A	
Max. Charge Current	100A	
Standard Discharge Current	50A	
Max. Continues Discharge Current	100A	
Cycle Life	>6000	
Internal Impedance	≤25mΩ	
Battery Charge/Discharge Voltage Protection		
Pack Overcharge Alarm Voltage	57.6V	
Pack Overcharge Protection Voltage	58.4V	
Pack Overcharge Protection Time Delay	1.0S	
Pack Discharge Alarm Voltage	44.8V	
Pack Discharge Protection Voltage	40V	
Pack Discharge Protection Time Delay	1.0S	
Battery Charge/Discharge Current Protection		
Over Charge Alarm Current	105A	
Over Charge Protection Current	110A	
Over Charge Protection Time Delay	1.0S	
Over Discharge Alarm Current	105A	
Over Discharge Protection Current	110A	
Over Discharge Protection Time Delay	1.0S	
Battery Charge/Discharge Temperature Protection		
Working Temperature Range	Charge: 0°C--50°C ; Discharge: -20°C--50°C	
Storage Temperature	-10°C--50°C	
Product Parameter		
Dimension	L590xW470XH143.9 (mm)	
Output Wire	6AWG	
Output Connector	TBD	
Communication	RS485/CAN	
Weight	50kg	
Certification	IEC62619, UL1973, CE-EMC, CE-GPDS, EN62619; UN38.3, MSDS	
Pack Method	1P16S	
Warranty	10 Years (Except for vulnerable structural pars (such as terminal blocks, panels, external wiring materials, etc.)	