

The Best Combination of Home Solar Storage System

Household Energy Storage 51.2V/100Ah

Floor-Standing & Wall Mounted LiFePO4 Battery



► 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 have 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 keep whole system still on working when any abnormality during the parallel connection. With the ability to parallel up to 8 pieces.



Model	TON-512100-L
Basic Parameter	
Pack Method	1P16S
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 times
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

- Support off-grid operation and battery mode operation without mains power