

5KWh LiFePO₄ Battery

Household Energy Storage 51.2V/100Ah

Floor-Standing & Wall Mounted LiFePO₄ Battery

- TON-512100-L



► 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.



Advanced BMS :

BMS built inside, ensuring optimal performance by protecting against overcharging, overheating, and short-circuiting and so on.



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.



Long Cycle Life:

It's the car grade LFP cell and has more than 6000 times deep cycle in charge and discharge, which ensures the longest lifespan and highest safety standards.



Wide Compatibility:

By working with more than 20 inverter brands, users can reduce the cost of repeated purchases in many devices and save money.



Model	TON-512100-L
Basic Parameter	
Cell Type	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-GPSP, EN62619; UN38.3, MSDS
Pack Method	1P16S
Warranty	5 Years (Except for vulnerable structural parts (such as terminal blocks, panels, external wiring materials, etc.)

• **All Right Reserved:** Specifications subject to change without notice please ensure you are using the most recent update found at web: www.tentekenergy.com