

TR8500WX

51.2V 314Ah

Wall-Mounted Energy Storage



Littech 51.2V 314Ah SMART LITHIUM IRON PHOSPHATE BATTERY

Littech Energy home energy storage series battery packs provide flexible installation methods, wall-mounted, stacked, cabinet and other different installation types which can adapt to most usage scenarios. Built-in intelligent BMS, temperature protection, voltage protection, power balance, compatible with mainstream inverter brands in the market, the product supports CAN, RS232, RS485 and other communication methods, and supports up to 15 pcs in parallel. The cycle life is up to 6000 times, and supports global warranty, it's your best choice for home energy storage.

KEY FEATURES

Fast Charging & Turbo-Boost Technology

Support 1C charging & discharging, with Littech Turbo-Boost technology, the system can output 1.25C power for nonlinear load application.

Ultra-Safety

Full range of protection, up to 18 electronic protection in Littech smart BMS, plus with aerosol fire extinguishing system(optional).

Intelligent Operation

New intelligent touch screen, support to prevent accidental touches, operate with full information processing, Wi-Fi and Bluetooth dual configuration.

Strong Compatible Ability

Can compatible with most of mainstream inverter brands in the market such as Deye, Growatt, Magarevo, Victron, SRNE etc.

Long Life A Class LFP Battery

Original top brand battery cell, long life, minimum 5 years maintenance free.

ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V
Nominal Capacity	314Ah
Voltage Range	44.8~58.4V
Energy	16076Wh
Resistance	≤28mQ
Efficiency	99%
Self Discharge	≤3.0% Per Month
Maximum Modules in Parallel	15

MECHANICAL SPECIFICATIONS

Dimensions[L*W*H]	850*650*245mm
Weight	135.5KG
Terminal Type	Connector
Case Material	Steel
Enclosure Protection	IP20
Chemistry	LiFePo4
Configuration	16S1P

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	200A
Turbo-Boost Power	12.8kW[500±20ms]
BMS Discharge Current Cut-off	250A[over500±20ms]
Recommend Low Voltage Disconnect	48V
BMS Discharge Voltage Cut-off	44.8V [over 1000±20ms]
Reconnect Voltage	49V
Short Circuit Protection	200-400μs

CHARGE SPECIFICATIONS

Remomend Charge Current	157A
Maximum Charge Current	157A
Maximum Charge Voltage	58.4V
Recommend Charge Voltage	57.6V
BMS Charge Voltage Cut-off	58.4V [over 1000±20ms]
Reconnect Voltage	53.44V

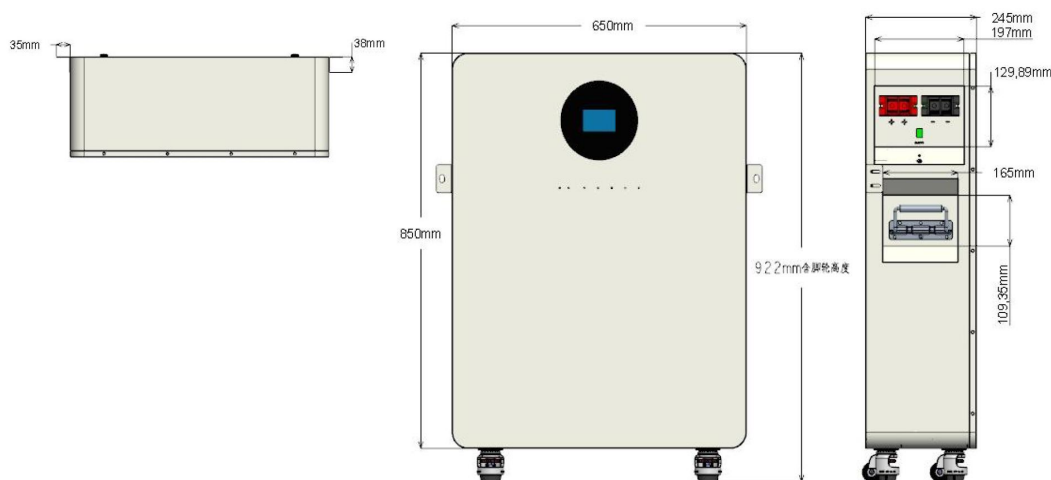
TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140°F[-20 to 60°C]
Charge Temperature	32 to 140°F[0 to 60°C]
Storage Temperature	23 to 95°F[-5 to 35°C]
BMS High Temperature Cut-off Discharge	140F[60°C][Customized]
Reconnect Temperature	122F[55°C][Customized]
Low Temperature Cut-off Charge	32°F[0°C][Customized]
High Temperature Cut-off Charge	140°F[60°C][Customized]

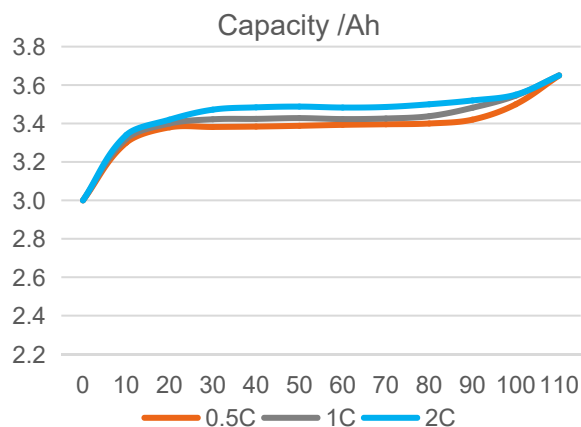
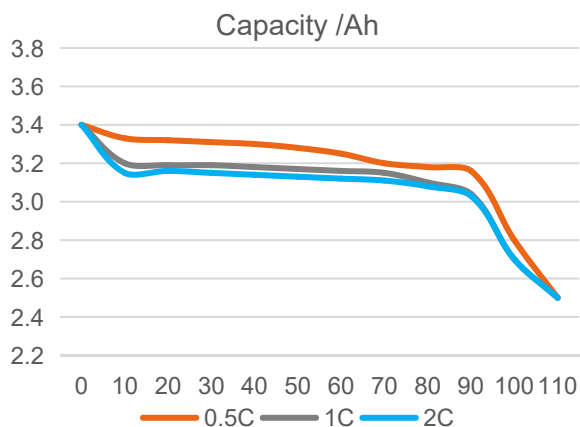
COMPLIANCE SPECIFICATIONS

Certifications	CE, UL1973, UN38.3, IEC62133
Shipping Classification	UN3480, CLASS9

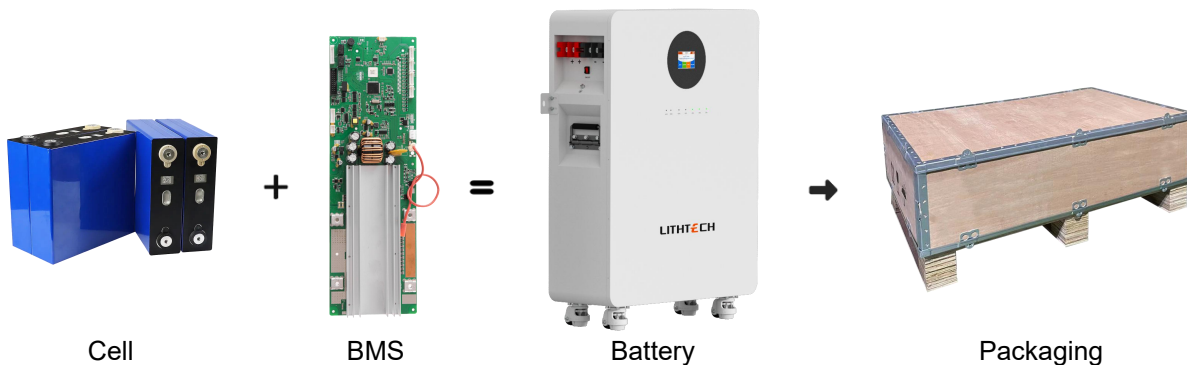
DIMENSIONAL SPECIFICATIONS



Charge/Discharge Capacity At Different Rates for cell [Room Temperatue]



PRODUCT DISPLAY



Strive to be the preferred partner
for the Global New Energy Industry

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CE UL1973 UN38.3 MSDS