

TE24100

25.6V 100Ah

Smart Lithium iron phosphate battery



Littech 25.6V 100Ah SMART LITHIUM IRON PHOSPHATE BATTERY

The Littech Smart Lithium Iron Phosphate Battery enables auto-balance among parallel and series strings up directly, providing a more flexible usage application. The integrated smart battery management system (BMS) not only protects the battery from various abnormal conditions but also monitors and manages the charging/discharging process. Integrate into High/low-temperature protection, ABS reinforced holder, resist vibration design, especially special for bad road conditions and complex usage scenarios, 22kg weight, long cycle life.

KEY FEATURES

Auto-Balance

Cell balance design inside the Smart BMS, optional active balance

Ultra-Safety

The Battery management system(BMS) provides comprehensive protection to the battery and manages the charging/discharging process wisely

4s4p Directly Strings up

The Battery management system(BMS) provides 4 series and 4 parallel hook up at the same time

Resist Vibration Design

ABS Reinforce Holder, resist vibration design, especially design for those bad road condition

Lighter and Smaller

483*170*240mm dimension, 22kg only, easy for lead-acid replacement, maintenance free.

ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6V
Nominal Capacity	100Ah
Capacity @20A	300min
Energy	2560Wh
Resistance	≤30mΩ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Series or Parallel	2s4p

MECHANICAL SPECIFICATIONS

Dimensions[L*W*H]	483*170*240mm
Weight	22KG
Terminal Type	M8/M6
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	8S1P

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Peak Discharge Current	260A≤5s
BMS Discharge Current Cut-off	300A±50A[2.2±1ms]
Recommend Low Voltage Disconnect	17.8V
BMS Discharge Voltage Cut-off	17.6V[2.2±0.08 vpc][100±50ms]
Reconnect Voltage	20V[2.5±0.1vpc]
Short Circuit Protection	200-400μs

CHARGE SPECIFICATIONS

Remomend Charge Current	5A-50A
Maximum Charge Current	100A
Recommend Charge Voltage	28.4-29.2V
BMS Charge Voltage Cut-off	30.0V[3.75±0.1V]
Reconnect Voltage	29.2V[3.65±0.1V]
Balancing Voltage	28.0V[3.5±0.025vpc]
Balancing Current	35±5mA

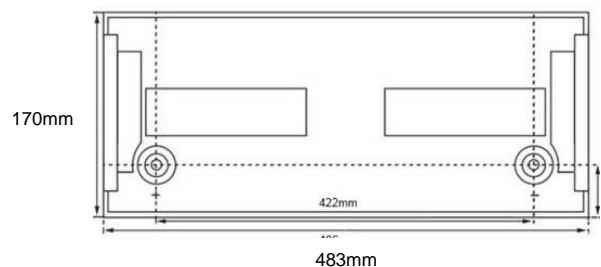
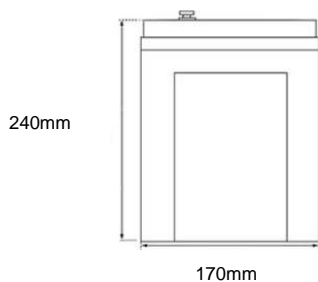
TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140°F[-20 to 60°C]
Charge Temperature	32 to 113°F[0 to 45°C]
Storage Temperature	23 to 95°F[-5 to 35°C]
BMS High Temperature Cut-off Discharge	149F[65°C][Customized]
Reconnect Temperature	122F[50°C][Customized]
Low Temperature Cut-off Charge	32°F[0°C][Customized]
High Temperature Cut-off Charge	129.2°F[54°C][Customized]

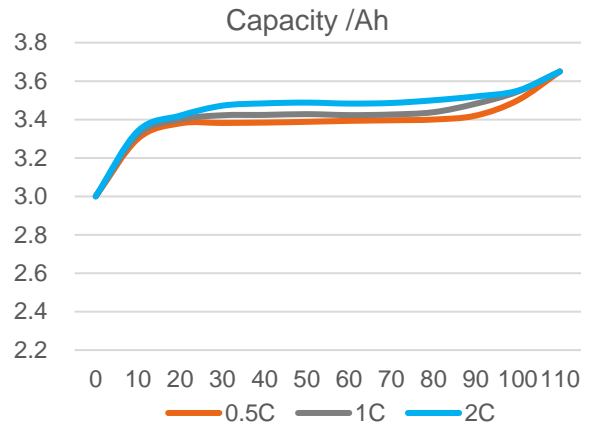
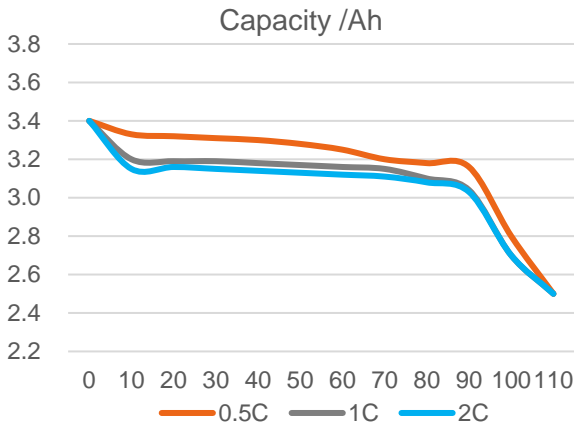
COMPLIANCE SPECIFICATIONS

Certifications	CE[Battery], UN38.3[Battery] IEC62133[cell]
Shipping Classification	UN3480, CLASS9

DIMENSIONAL SPECIFICATIONS

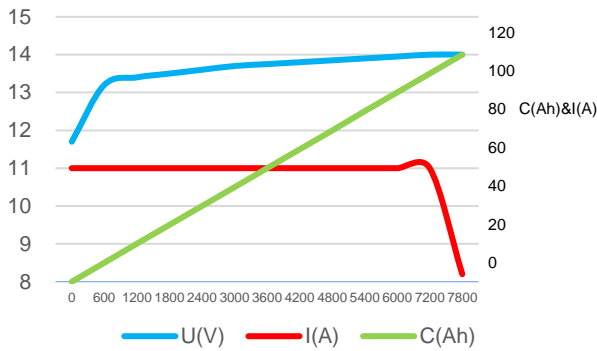


Charge/Discharge Capacity At Different Rates for cell [Room Temperatue]

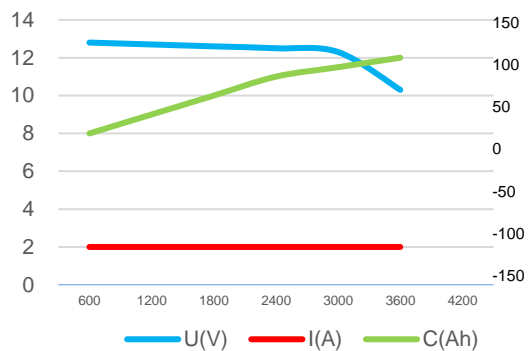


Charge/Discharge Capacity At Different Rates for Battery Pack [Room Temperatue]

0.5C Charge Voltage & Current & Capacity Curve



1.0C Discharge Voltage & Current & Capacity Curve



PRODUCT DISPLAY





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

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