

# TE24200

## 25.6V 200Ah

### Smart Lithium iron phosphate battery



## Littech 25.6V 200Ah 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 reinforce holder, resist vibration design, especially special for bad road conditions and complex usage scenarios, 36kg 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

520\*269\*220mm dimension, 36kg only, easy for lead-acid replacement, maintenance free.

### ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6V
Nominal Capacity	200Ah
Capacity @20A	600min
Energy	5120Wh
Resistance	≤30mQ @ 50% SOC
Efficiency	99%
Self Discharge	≤3.5% Per Month
Maximum Modules in Series or Parallel	2s4p

### MECHANICAL SPECIFICATIONS

Dimensions[L*W*H]	520*269*220mm
Weight	36KG
Terminal Type	M8/M6
Case Material	ABS
Enclosure Protection	IP55
Cell Type	Prismatic
Chemistry	LiFePo4
Configuration	8S2P

### 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

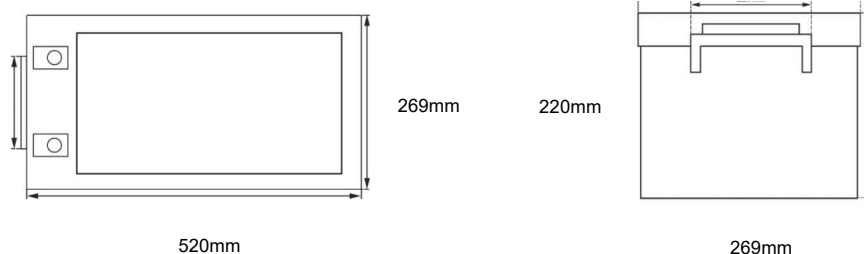
### TEMPERATURE SPECIFICATIONS

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]
Discharge Temperature	-4 to 140°F[-20 to 60°C]

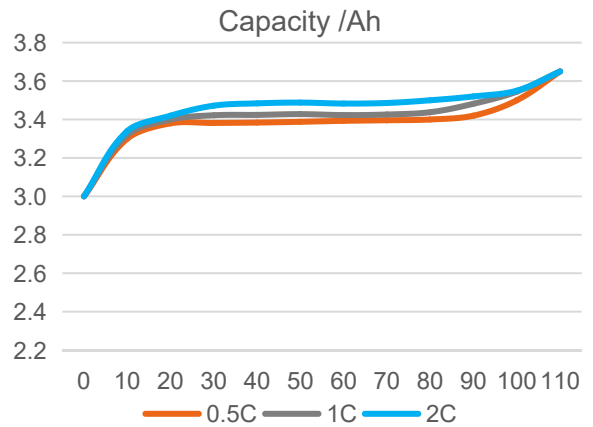
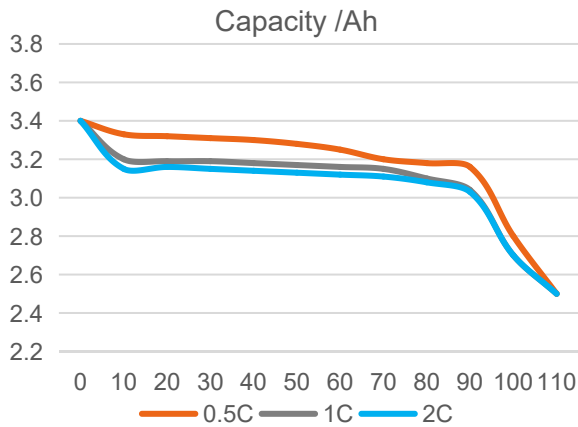
### COMPLIANCE SPECIFICATIONS

Certifications	CE[Battery], UN38.3[Battery] IEC62133[cell]
Shipping Classification	UN3480, CLASs9

### DIMENSIONAL SPECIFICATIONS

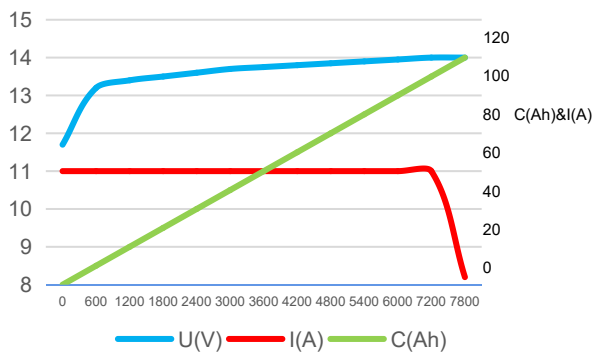


**Charge/Discharge Capacity At Different Rates for cell [ Room Temperatue]**

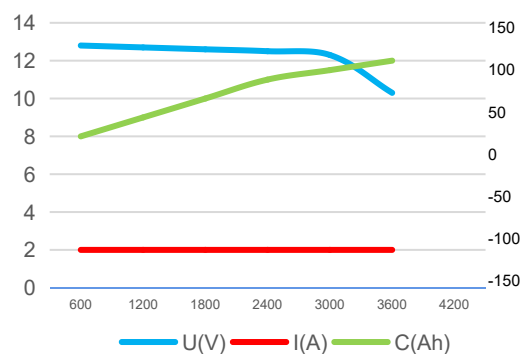


**Charge/Discharge Capacity At Different Rates for Battery Pack [ Room Temperatue]**

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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