



ETERION  
Energy

# ETERION ENERGY Product Datasheet

## Battery LiFePO4

12V 200Ah

### Attentions:

- When the battery needs to be used in parallel or in series, each battery shall be fully charged according to the standard charging method before parallel or in series.
- When the battery is discharged empty. It should be recharged in time. Otherwise the BMS can't work due to low voltage, and the battery will be permanently invalidated.



## Features

Guaranteed  
Safety

Cost  
effectiveness

Drop in  
Replacement

Fast charge

Longer ervice  
life

### NORMINAL CHARACTERISTICS

Nominal Voltage	12.8V
Nominal Capacity	200Ah
Energy	2560Wh
IR	≤50mΩ@100%
Efficiency	SOC ≥99.5%
Maximum Modules in Series	4

### OPERATING CONDITIONS

Cycle Life	≥5000
Operating Temperature	Charge: 10°C~50°C Discharge: -20°C~60°C
Storage Temperature	20°C~ 50°C
Storage Duration	12 months at 25°C
Communication	Bluetooth APP

### CHARGE & DISCHARGE CHARACTERISTICS

Voltage Window	10.8-14.6V
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	150A
Peak Discharge Current	450A
Recommended charge current/A	60A
Recommended discharge current/A	100A
Charge current cut-off/A	0.3A

### MECHANICAL CHARACTERISTICS

Case Material	ABS
Dimension(L*W*H)	522*240*218 mm
Weight	19.5 Kg±5%
Terminal Type	M8
IP Grade	IP65
Certification	UN38.3/MSDS/CE
Cell Type-Chemistry	LiFePO4

### BMS CHARACTERISTICS

Primary Charging Protection	Current: >100.0±2.5A Delay time:15±2s
Secondary Charging Protection	Current: >120.0±2.5A Delay time: ≤3s
Primary Discharging Protection	Current: >150.0±2.5A Delay time:15±2s
Secondary Discharging Protection	Current: >160.0±2.5A Delay time: ≤3s
Over-charge Voltage Protection	Voltage:>14.8±0.2V Delay time:≤3s
Over-discharge voltage protection	Voltage:<10.0±0.3V Delay time: ≤3s
High Temperature Protection	Charging: 65±3°C Recover: 60±3°C Discharging: 65±3°C Recover: 60±3°C
Low Temperature Protection	Charging: 0±3°C Recover: 5±3°C Discharging: -20±3°C Recover: -15±3°C