



## 24V 36V 48V 52V 10Ah 20Ah Deep Cycle LiFePO4 NCM Battery For Ebike

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Pinsheng Energy
- Certification: CE, MSDS, UN38.8 , ISO9001
- Model Number: PE4810
- Minimum Order Quantity: 10
- Price: USD125-145/pc
- Packaging Details: carton box, UN box, wooden box
- Delivery Time: 10-20days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 10000pcs/month



### Product Specification

- Product Name: 48V 10Ah Ebike Battery Pack
- Material: ABS Plastic
- Size: 378\*78\*114mm
- Weight: 4.8kgs
- Voltage: 48V
- Capacity: 10Ah
- Charging Cut Off Voltage: 39V
- Discharging: 54.6V
- Highlight: 20Ah Deep Cycle NCM Battery,  
48V 10Ah NCM Batter,  
36V LiFePO4 Ebike Battery

## Product Description

### 24V 36V 48V 52V 10Ah 20Ah Deep Cycle Ebike Battery LiFePO4 NCM Lithium Ion Battery Pack

**Model: PE4810-1**

#### Parameters:

1. Product Name: 48V 10Ah Ebike Battery
2. Dimension: 378(L)\*78(W)\*114(T)mm
3. Weight: 4.8Kgs
4. Material: ABS Plastic
5. Color: Black/Customized
6. Working Voltage: 48V
7. Capacity: 10Ah
8. Charging Cut Off Voltage: 42V
9. Discharging Limit Voltage: 58.8V
10. Battery Cell: NCM or LFP
11. Working Temperature: -20°C ~ 60°C
12. Charging Temperature: 0°C ~ 55°C

#### Application

Widely use for E-bike , Electric Bicycle , E-scooter , Electric Scooter , Electric Motorbicycle , EV , RV , AGV .

#### Advantage

1. Green - Environmental friendly
2. Safe - We Just do A Grade Quality
3. High Performance - High density of energy
4. Longer cycle life - 3,500 Cycle Life
5. Low internal resistance - 1mΩ
6. Zero memory effect

Item	Detail
Product Name	48V Ebike Battery
Series - Parallel Mode	14S4P
Cycle Life	3500 Times 100% DOD
Dimension	378 (L) * 78 (W) * 114 (T) mm
Weight	4.8Kgs
Battery Box Material	ABS Plastic
Color	Black / Customized
Working Voltage	48V
Capacity	10Ah
Charging Cut Off Voltage	42V
Discharging Limit Voltage	58.8V
Battery Cell	NCM or LFP ( 18650 21650 32700 )
Working Temperature	-20°C ~ 60°C
Charging Temperature	0 ~ 55
Working Humidity	80 %
Internal Resistance	1mΩ
Self Discharging Rate	3% Per Month
OEM / ODM	Support
Charging / Discharging Interface	Customized

Item	Detail
Battery Type	NMC
Capacity	10Ah, 12.5Ah, 15Ah, 20Ah, Customized
Nominal Voltage	24V/36V/48V DC, Customized
Operating Voltage Range	10V DC-54.4V DC
Cycle Life @ 100% DOD	> 2500 Cycles(100% @C2, 25℃)
Cycle Life @ 80% DOD	> 3500 Cycles(80% @C2, 25℃)
Cycle Life @ 70% DOD	> 4500 Cycles(70% @C2, 25℃)
Dimensions	343mm(L)x78mm(W)x99mm(T)
Dimensions	378mm(L)x78mm(W)x99mm(T)
Dimensions	343mm(L)x78mm(W)x114mm(T)
Dimensions	378mm(L)x78mm(W)x114mm(T)
Dimensions	343mm(L)x78mm(W)x132mm(T)
Dimensions	378mm(L)x78mm(W)x132mm(T)
Serialization	10SSP Customized
Weight	3.5kgs
Charge Current	10A Continuous
Discharge Current	15A Continuous
Charging Shut-off Voltage	20V
Discharging Limit Voltage	28.8V
Over-current Protection	20A, 10s Delay
Short Circuit Protection	40A, ≤300 us Delay
Charging Under/Over Temp Protection	0℃/55℃
Charging under/over Temp Protection	-20℃/60℃
Balance Current	≤200mA
Self-Discharge Rate	<3% Per Month



BMS

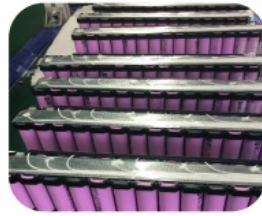
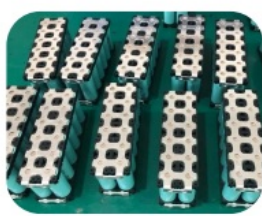


Battery

## Installation



## Battery Cell



Item	Detail
Battery Type	NMC
Capacity	Ah, 8Wh @C2, 25℃
Nominal Voltage	3.6V DC
Cycle Life @ 100% DOD	> 2500 Cycles(100% @C2, 25℃)
Cycle Life @ 80% DOD	>3500 Cycles(80% @C2, 25℃)
Cycle Life @ 70% DOD	>4500 Cycles(70% @C2, 25℃)
Dimensions	Dia18mm(L)x30mm(W)x185mm(T)
Weight	41g
Charging Cut-off Voltage	3V
Discharging Limit Voltage	4.2V
Charging Under/Over Temp Protection	0℃/55℃
Charging under/over Temp Protection	-20℃/60℃

### Notes

1. Large-scale electric vehicles: electric bus, electric car, E-Tour Car
2. Light electric car: e-bike, e-scooter,e-motorcycle, electric golf cart, e-wheelchair
3. E-tool: electric drill, electric saw, lawn mower and so on
4. Remote control cars, electric boat, aircraft, toys
5. Solar and wind power generation energy storage devices, solar systems, Telecom base Station
6. Small medical equipment and portable equipment
7. RV,Camping car and yacht
8. Solar enegery lights, bicycle lights, LED lights, bright flashlight, solar street lights



## Plug and Interface

### AC INPUT PLUGS



### DC OUTPUT PLUGS





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