

Electric Bicycle Lithium-Ion Battery Pack

Lithium-ion battery pack designed for electric bicycles and e-bikes. It provides reliable power, long life, and enhanced safety.



Product Overview

High-Performance E-Bike Power Solution

This electric bicycle lithium-ion battery pack is engineered using A-grade ternary lithium 18650 (NCM) cells, ensuring high conversion rates and long service life. It features a robust aluminum alloy casing for superior heat dissipation and an integrated intelligent BMS system for real-time cell monitoring. Designed for reliability, the pack operates efficiently in extreme temperatures ranging from -20°C to 60°C.

Technical Specifications

Battery Cell Type	Ternary Lithium 18650 (NCM)
Operating Temperature	-20°C to 60°C

Safety & Management

BMS Capabilities

- Intelligent battery management system
- Real-time monitoring of individual battery cells
- Smart PCB protection board
- Constant usage monitoring

Safety Protections	Overvoltage Protection, Overcharge Protection, Overdischarge Protection, Overcurrent Protection, Short-circuit Protection, Temperature Protection, Charging Protection
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Quality & Insurance

Insurance Provider
China Pacific Insurance

Construction

Construction Details

- Durable aluminum alloy casing
- Fixing bracket for stability
- Shaping nickel belt with low consolidation resistance
- Integrated LED charge level indicators
- Secure locking mechanism