

Eco Series Lithium-Ion 48V 45Ah E-Bike Battery | Premium Electric Bik

SKU / Model: Not specified

PRODUCT OVERVIEW

Technical Specifications Battery Type: Lithium-Ion Nominal Voltage: 48V Capacity: 45Ah  
Energy: 2160Wh Charging Voltage: 54.6V (standard for 48V lithium-ion systems) Protection  
System: Integrated Smart BMS Cycle Life: 800 1500+ cycles Mounting Options: Frame-mounted /  
rear rack configurations available

TECHNICAL SPECIFICATIONS

|                                                  |
|--------------------------------------------------|
| Nominal Voltage: 48V                             |
| Capacity: 45Ah                                   |
| Energy: 2160Wh                                   |
| Chemistry: Lithium-Ion                           |
| Cycle Life: 1500+ cycles                         |
| Charging Voltage: 54.6V                          |
| Product Category: E BIKE BATTERY LI-ION NMC PACK |

PRODUCT DESCRIPTION

The Eco Series Lithium-Ion 48V 45Ah E-Bike Battery is a high-capacity, heavy-duty power solution designed for riders and commercial users who demand extreme range and consistent high performance. Built with premium lithium-ion cells and an advanced Battery Management System (BMS), this battery delivers reliable power, enhanced safety, and long-term durability. Eco Series Lithium-Ion 48V 45Ah E-Bike Battery a nominal voltage of 48V and a powerful 45Ah capacity, this battery provides approximately 2160Wh of energy, making it ideal for long-distance commuting, cargo transport, food delivery operations, and high-performance electric bikes. The integrated smart BMS actively monitors voltage, current, and temperature to protect against overcharge, over-discharge, overcurrent, short circuit, and overheating ensuring safe and dependable performance in demanding riding conditions. Key Features Nominal Voltage: 48V Capacity: 45Ah Energy Output: 2160Wh Premium-grade lithium-ion cells Intelligent built-in BMS protection Long cycle life (800 1500+ cycles depending on usage) High discharge capability for powerful motors Durable, impact-resistant casing Fast and efficient charging Maintenance-free operation Benefits Ultra-long riding range per charge Reliable performance for heavy cargo and commercial use Strong acceleration and motor efficiency Extended battery lifespan Advanced safety and thermal stability Applications Electric bicycles (E-bikes) Cargo and delivery bikes Fleet and commercial mobility solutions High-power electric scooters E-bike conversion kits Why Choose the Eco Series 48V 45Ah E-Bike Battery? The Eco Series 48V 45Ah battery is engineered for riders who need maximum energy storage and dependable high-output performance. With premium components and advanced protection systems, it ensures long-range capability, consistent power delivery, and reduced maintenance making it a trusted choice for both

PRODUCT DATASHEET

personal and professional applications.