

1. Product ID

TQ-EB

2. Product Name (Website)

Teqvion Lithium-Ion EV Battery Pack with Charger for Electric Bikes & Scooters

3. Product Name (Internal)

EV Battery

4. Product Category

EV Battery

5. Product Overview

Teqvion Lithium-Ion EV Battery Packs are high-performance energy storage solutions designed for electric bikes and scooters. Engineered using advanced lithium-ion cell technology, these battery packs deliver reliable power, long cycle life, and efficient energy output for daily commuting and mobility needs.

Equipped with an intelligent Battery Management System (BMS), the battery ensures safe operation by protecting against overcharging, deep discharge, overheating, and short circuits. The compact and modular design allows easy integration into various EV models, while the included charger ensures fast and efficient recharging.

Designed for durability and performance, Teqvion EV battery packs provide consistent output, extended range, and dependable performance across different environmental conditions.

6. Technical Specifications

Parameter	Value
Battery Type	Lithium-ion (18650 Cells)
Nominal Voltage	24V / 36V / 48V / 60V / 72V (depending on variant)
Cell Voltage	3.6 – 3.7V per cell
Capacity	10Ah – 30Ah (customizable depending on configuration)
Energy Output	Up to 2 kWh (depending on configuration)
Charging Voltage	Up to 54.6V (for 48V pack)
Charging Time	4–8 hours
Battery Management System	Integrated BMS
BMS Protection	Overcharge / Over-discharge / Short Circuit / Thermal Protection
Operating Temperature	-10°C to 60°C
Cell Type	18650 / 21700 Lithium-Ion Cells
Cycle Life	Up to 800–1000 charge cycles

7. Key Features

- High-performance lithium-ion battery technology
- Built-in intelligent Battery Management System (BMS)
- Long cycle life with stable performance
- Fast and efficient charging with included charger
- Compact and modular design for easy installation
- Lightweight compared to traditional batteries
- Enhanced safety with multi-layer protection system
- Consistent power delivery for improved vehicle range
- Suitable for various electric bikes and scooters

8. Applications

- Electric bikes (e-bikes)
- Electric scooters (e-scooters)
- Light electric vehicles
- Retrofit EV kits
- Personal mobility solutions
- Delivery and commercial EV use

9. Product Variants

- 36V / 10Ah – 20Ah
- 48V / 12Ah – 25Ah
- 60V / 20Ah – 30Ah
- 72V / 20Ah – 30Ah

10. Packaging Details

(To be defined – box type, quantity per carton, etc.)

11. Certifications

(To be defined – BIS / CE / RoHS etc.)

12. Images