

## 36v 7.5ah T plug

# 36V 7.5Ah Lithium Ion Ebike Battery Pack User Manual

Model: 36v 7.5ah T plug | Brand: Generic

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient use of your 36V 7.5Ah Lithium Ion Battery Pack. Designed for electric bikes, scooters, and various other electric vehicles, this high-performance battery offers reliable power and a long lifespan. Please read this manual thoroughly before initial use to ensure proper operation and to maximize the battery's longevity.

## 2. SAFETY INSTRUCTIONS

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**WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the battery and connected devices.**

- Do not disassemble, open, or shred the battery pack.
- Do not expose the battery to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit the battery. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not subject the battery to mechanical shock.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Do not use any charger other than that specifically provided for use with the equipment.
- Keep the battery clean and dry.
- Observe plus (+) and minus (-) marks on the battery and equipment and ensure correct use.

### Built-in Protection Circuit

Your battery pack is equipped with an advanced Internal Protection Circuit (BMS) designed to safeguard against common electrical issues, ensuring both the longevity of the battery and the safety of its users. This circuit provides protection against:

- **Overcharge Protection:** Prevents the battery from being charged beyond its safe voltage limit.
- **Over-discharge Protection:** Stops the battery from discharging below its minimum safe voltage, preserving cell integrity.

- **Overcurrent Protection:** Limits the current drawn from the battery to prevent damage from excessive loads.
- **Short Circuit Protection:** Automatically cuts off power in the event of a short circuit.
- **Overpower Protection:** Manages power output to prevent system overload.
- **Overvoltage Protection:** Protects against voltage spikes.
- **Temperature Protection:** Monitors and regulates the battery's temperature to prevent overheating.
- **Anti-reverse Protection:** Prevents damage from incorrect polarity connection.

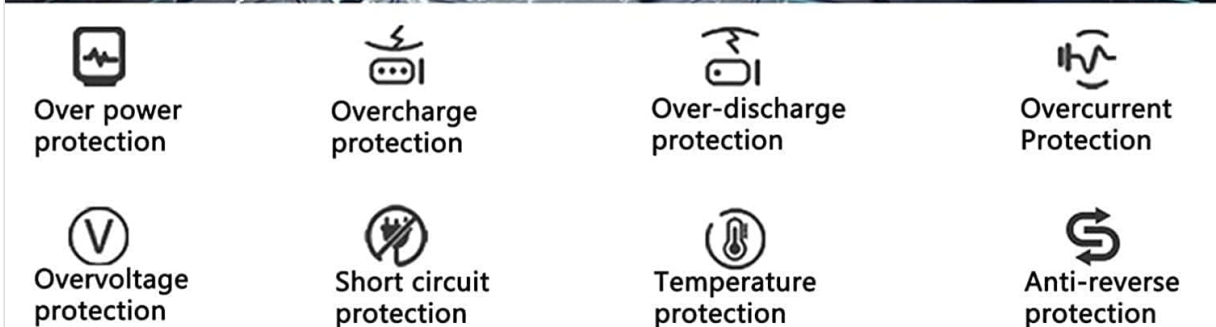
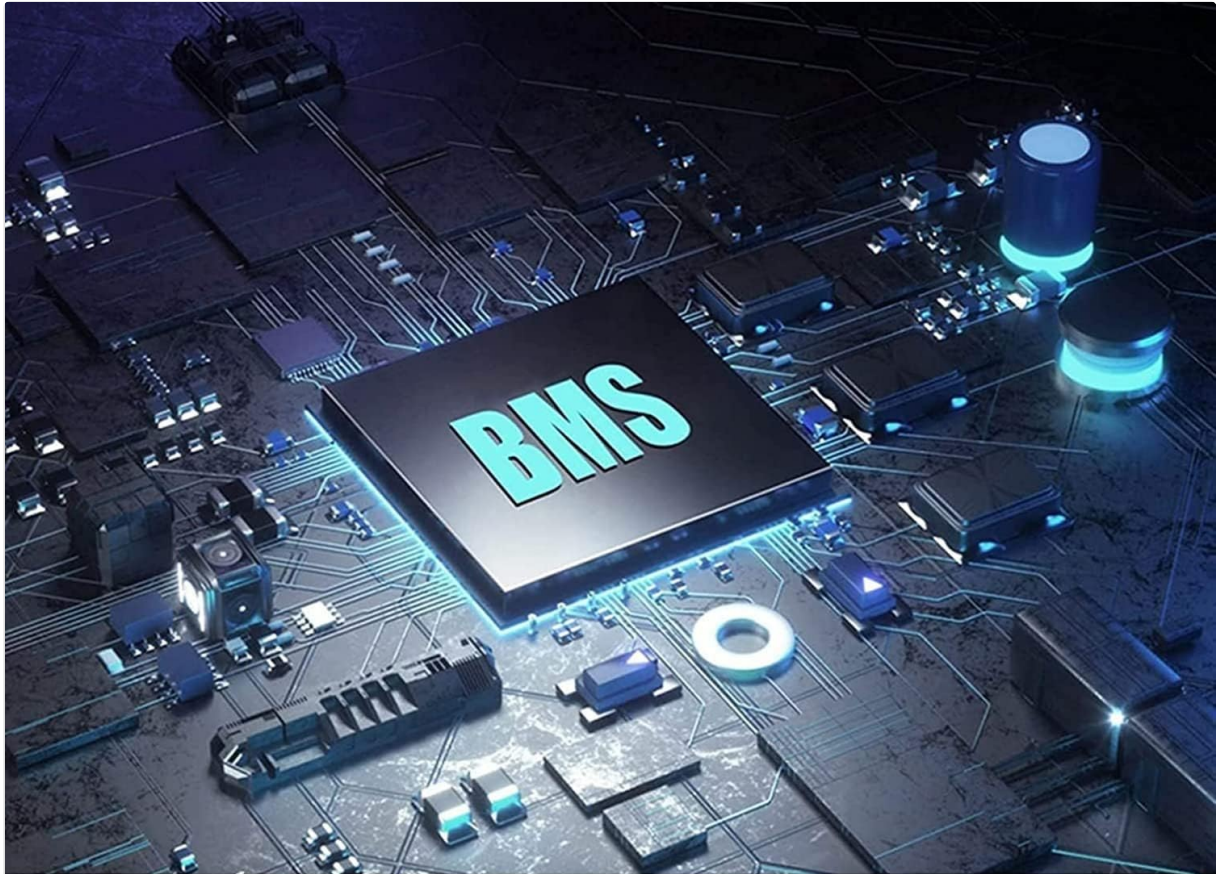


Figure 1: Battery Management System (BMS) Protection Features

### 3. PRODUCT OVERVIEW

#### Components

The product package includes the 36V 7.5Ah Lithium Ion Battery Pack and a compatible 42V 2A charger.



Figure 2: Battery Pack and Charger

## Dimensions

The battery pack is compact, measuring approximately 185mm in length, 68mm in width, and 60mm in height. These dimensions make it suitable for integration into various electric vehicle designs.



Figure 3: Battery Pack Dimensions

## Applications

This versatile battery pack is ideal for a wide range of electric vehicles and DIY projects. Its high power output and robust design make it suitable for:

- Electric Bicycles (Ebikes)
- Electric Scooters
- Electric Motorcycles
- Electric Golf Carts
- Mobility Scooters
- Electro-tricycles
- Electric Go-Karts
- Kids Ride-On Cars
- Electric Wheelchairs
- Model Aircraft
- Power Tools and other DIY custom battery packs

# Scope of Application

**Electro-tricycle**



**Electric Golf Carts**



**Mobility Scooter**



**Electric motorcycle**



**Scooter**



**Ebike**



**Electric Go-Kart**



**Kids Ride On Car**



**Electric Wheelchair**



Figure 4: Scope of Application

## 4. SETUP

### Initial Charging

Before first use, fully charge the battery pack. Connect the provided 42V 2A charger to a suitable power outlet and then connect the charger's output plug to the battery's charging port. The charger typically has an indicator light that changes color (e.g., red to green) to signify charging status. Charging time may vary depending on the battery's initial charge level.



Figure 5: Included 42V 2A Charger

**Charger Type:** The standard charger provided is a European specification. If you require an American specification charger, please ensure to specify this when placing your order.

### Connecting the Battery

This battery pack is equipped with a T-plug connector for power output. Ensure your device is compatible with a T-plug connection. Connect the battery's T-plug to the corresponding input on your electric vehicle or device, observing correct polarity.

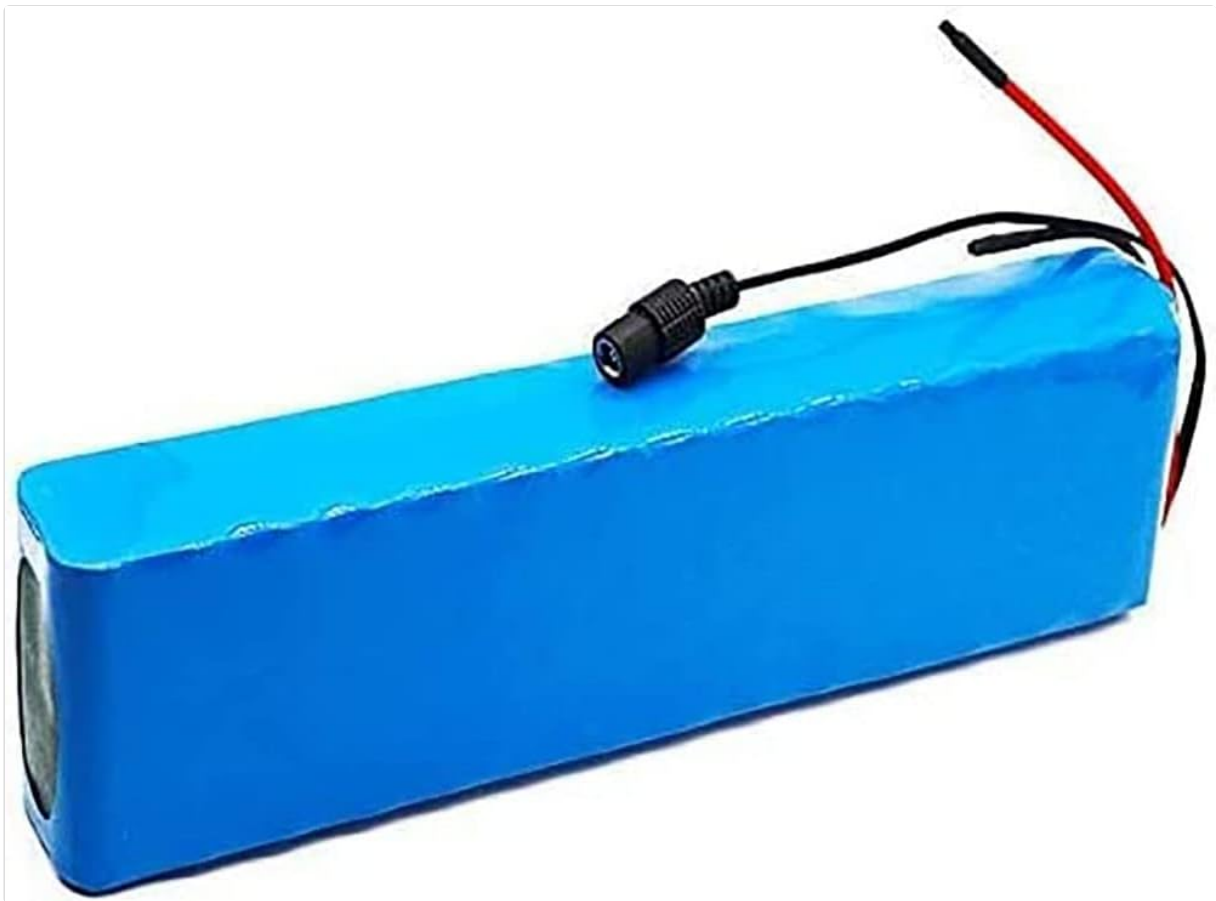


Figure 6: Battery Pack with T-Plug Connector

## 5. OPERATING

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Once fully charged and properly connected, the battery pack is ready to power your device. Turn on your electric vehicle or device according to its own operating instructions. The battery is designed for more than 1000 life cycles, providing long-term reliable performance.

## 6. MAINTENANCE

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### Charging Practices

- Always use the provided 42V 2A charger. Using an incompatible charger can damage the battery and void the warranty.
- Do not overcharge the battery. The built-in protection circuit will prevent this, but it's good practice to disconnect the charger once charging is complete.
- Avoid completely draining the battery before recharging. Frequent deep discharges can reduce battery lifespan.

### Storage

- If storing the battery for an extended period, charge it to approximately 50-60% capacity.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid storing the battery in environments with high humidity.

### Cleaning

Wipe the battery pack with a dry, soft cloth to remove dust or dirt. Do not use liquid cleaners or immerse

the battery in water.

## 7. TROUBLESHOOTING

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If you encounter issues with your battery pack, consider the following common troubleshooting steps:

- **Battery not charging:** Ensure the charger is properly connected to both the power outlet and the battery. Check if the charger's indicator light is functioning. Verify the power outlet is active.
- **Device not powering on:** Ensure the battery is fully charged. Check that the T-plug connection to your device is secure and correctly oriented. Verify that your device's power switch is on.
- **Sudden power cut-off:** The built-in protection circuit may have activated due to overcurrent, over-discharge, or temperature issues. Allow the battery to rest and cool down before attempting to use it again. Reduce the load on the battery if overcurrent was the cause.
- **Reduced run time:** This may indicate the battery is nearing the end of its life cycle, or it may not be fully charged. Ensure proper charging practices are followed.

If problems persist after attempting these steps, please contact customer support for further assistance.

## 8. SPECIFICATIONS

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Parameter	Value
Battery Type	Lithium Ion (10S3P configuration)
Nominal Voltage	36V
Capacity	7.5Ah
Dimensions (L x W x H)	Approx. 185mm x 68mm x 60mm
Connector Type	T Plug
Charger Output	42V 2A
Life Cycles	> 1000 cycles
Protection Features	Overcharge, Over-discharge, Overcurrent, Short Circuit, Overpower, Overvoltage, Temperature, Anti-reverse

## 9. WARRANTY AND SUPPORT

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For warranty details and claims, please refer to the purchase documentation or contact your retailer. Our dedicated customer support team is committed to resolving your inquiries within 24 hours. If you have any questions or require assistance, please do not hesitate to reach out to us.

