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› Powatechnic 42V 3A MDA 4-Pin Type 2 Charger User Manual for 36V E-bike Batteries

## Powatechnic PWT33025

# Powatechnic 42V 3A MDA 4-Pin Type 2 Charger User Manual

Model: PWT33025

## 1. PRODUCT OVERVIEW

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The Powatechnic 42V 3A MDA 4-Pin Type 2 Charger is designed for efficient and safe charging of 36V Li-ion e-bike batteries. This charger is specifically compatible with e-bikes such as the Avantrek Macrover and Miclon Cybertrack.

Key features include:

- **Output Voltage:** 42V
- **Output Current:** 3A
- **Connector Type:** MDA 4-pin Type 2
- **Input Voltage:** 100V-240V AC
- **Safety Certifications:** TUV GS, CE, CB, ROH approved, ensuring compliance with strict safety standards.

The charger incorporates intelligent safety features to protect your battery and ensure reliable operation:

- Overvoltage Protection
- Short-circuit Protection
- Reverse Polarity Protection
- Pre-charge and Recharge Protection

These protections prevent battery damage, enhance overall reliability, and effectively reduce the risk of fire.



This image displays the Powatechnic 42V 3A MDA 4-Pin Type 2 Charger. The main charging unit is a black rectangular block, connected by a cable to a round, black 4-pin connector. Another cable extends from the charger, ending in a standard power plug (not fully visible, but implied by the input voltage). The 4-pin connector is shown in detail, highlighting its configuration.

## 2. SETUP INSTRUCTIONS

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1. **Verify Compatibility:** Before connecting, ensure that your e-bike battery is a 36V Li-ion type and that its charging port is compatible with the MDA 4-pin Type 2 connector. Refer to your e-bike's manual or the charger's specifications.
2. **Connect to Power:** Plug the charger's AC power cord into a standard wall outlet (100V-240V).
3. **Connect to Battery:** Carefully insert the MDA 4-pin Type 2 connector into your e-bike battery's charging port. Ensure a secure connection.

## 3. OPERATING INSTRUCTIONS

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1. Once both the AC power and the battery are connected, the charger will automatically begin the charging process.
2. Observe the indicator light(s) on the charger (if present). Typically, a red light indicates charging in progress, and a green light indicates a full charge or standby mode. Consult the charger's label for specific light indications.
3. Allow the battery to charge fully. Disconnect the charger from the battery first, then from the wall outlet, once charging is complete.

## 4. MAINTENANCE

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- Keep the charger in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Do not expose the charger to water or other liquids.
- Clean the charger's exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Regularly inspect the cables and connectors for any signs of damage. If any damage is found, discontinue use and contact support.

## 5. TROUBLESHOOTING

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### Why is my battery not charging?

- Check if the battery is completely discharged ('dead') or still has some charge. Some chargers may have difficulty initiating a charge on deeply discharged batteries.
- Ensure the e-bike brand and battery specifications match the charger's intended compatibility. Even if the connector appears identical, compatibility with the specific e-bike brand is crucial for proper functionality.
- Verify that both the AC power cord and the battery connector are securely plugged in.
- Check for any visible damage to the charger, cables, or connectors.

### How can I confirm compatibility with my e-bike?

- Refer to your e-bike's user manual for battery and charger specifications.
- Compare your battery's charging port with the MDA 4-pin Type 2 connector shown in the product images.
- If unsure, provide a photo of your battery's charging port to customer support. Also, state the make and model of your e-bike if known.

## 6. SPECIFICATIONS

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<b>Brand</b>	Powatechnic
<b>Model Number</b>	PWT33025
<b>Output Voltage</b>	42 Volts
<b>Output Current</b>	3 Amperes
<b>Input Voltage</b>	100V-240V AC
<b>Connector Type</b>	MDA 4-pin Type 2
<b>Compliant Standards</b>	CE, TÜV, TUV GS, CB, ROH

## 7. WARRANTY AND SUPPORT

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For dedicated technical support, including pre-sale and after-sale assistance, please use the following contact methods:

- **Amazon Messaging Service:** Contact us directly through the Amazon platform.
- **WhatsApp:** +44 (0)7510 105372
- **Phone:** +44 (0)114 243 8101 (Available Monday to Friday, 9:30 AM to 4:00 PM GMT)