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## RollEase MTDCB-CHARGE

# RollEase Acmeda Recharger for DC Motors MTDCB-CHARGE Instruction Manual

Model: MTDCB-CHARGE

## 1. INTRODUCTION

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This instruction manual provides essential information for the safe and effective use of the RollEase Acmeda MTDCB-CHARGE Recharger. This device is designed to charge RollEase Automate Li-ion DC motors used in window covering applications. Please read this manual thoroughly before operating the recharger and retain it for future reference.

## 2. PRODUCT OVERVIEW

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The RollEase Acmeda MTDCB-CHARGE is a dedicated recharger for RollEase Automate Li-ion DC motors. It features a 13.1-foot lead for convenient access to motors. The charger is designed for efficiency, typically charging a drained lithium-ion motor within 4 to 8 hours, depending on the motor size.



Figure 2.1: The RollEase Acmeda MTDCB-CHARGE Recharger. This image displays the white charger unit with its attached power cord and charging cable.



Figure 2.2: Top view of the recharger, showing the two-prong plug and the coiled charging cable.

### 3. SAFETY INFORMATION

**WARNING: To reduce the risk of fire or electric shock, carefully follow these instructions.**

- Use this charger only with 12V rechargeable window shade motors as specified by RollEase Acmeda.
- Do not expose the charger to rain or excessive moisture.
- Do not operate the charger if it has been damaged in any way.
- Ensure the power outlet voltage matches the charger's input specifications (100-240V 50/60Hz).
- Keep the charger away from heat sources and direct sunlight.
- Do not attempt to disassemble or modify the charger. Refer all servicing to qualified personnel.
- Unplug the charger from the power outlet when not in use or before cleaning.



Figure 3.1: Side view of the recharger, highlighting the warning label indicating use only with 12V rechargeable window shade motors.

## 4. SETUP

1. **Unpack the Recharger:** Carefully remove the MTDCB-CHARGE recharger from its packaging.
2. **Inspect for Damage:** Before use, visually inspect the recharger and its cables for any signs of damage. Do not use if damaged.
3. **Prepare the Motor:** Ensure the RollEase Automate Li-ion DC motor you intend to charge is accessible and its charging port is clean and free of debris.



Figure 4.1: The recharger with its cable neatly coiled, ready for use or storage.

## 5. OPERATING INSTRUCTIONS: CHARGING PROCESS

Follow these steps to charge your RollEase Automate Li-ion DC motor:

1. **Connect to Motor:** Plug the charging cable from the MTDCB-CHARGE recharger into the charging port of your RollEase Automate Li-ion DC motor. Ensure a secure connection.
2. **Connect to Power:** Plug the recharger's power adapter into a standard 100-240V AC wall outlet.
3. **Monitor Charging:** The motor's indicator light (if present) will typically show the charging status. Refer to your motor's specific manual for details on its charging indicator.
4. **Charging Time:** A fully drained motor will typically take 4 to 8 hours to charge completely. Charging time may vary based on motor size and remaining battery level.
5. **Disconnect:** Once charging is complete (as indicated by the motor or after the recommended charging time), first unplug the recharger from the wall outlet, then disconnect the charging cable from the motor.

*Note: The charger is designed to maintain the battery's health. Overcharging is generally prevented by the motor's internal battery management system, but it is good practice to disconnect once fully charged.*

## 6. COMPATIBILITY

The RollEase Acmeda MTDCB-CHARGE Recharger is compatible with the following:

- All RollEase Automate Li-ion (12VDC Version) Motors.
- Specifically designed for Automate and Li-Ion Rechargeable DC Motors, including 18mm, 25mm, 28mm, 35mm, and 45mm sizes.

The following diagram illustrates compatible motors and connection cables:

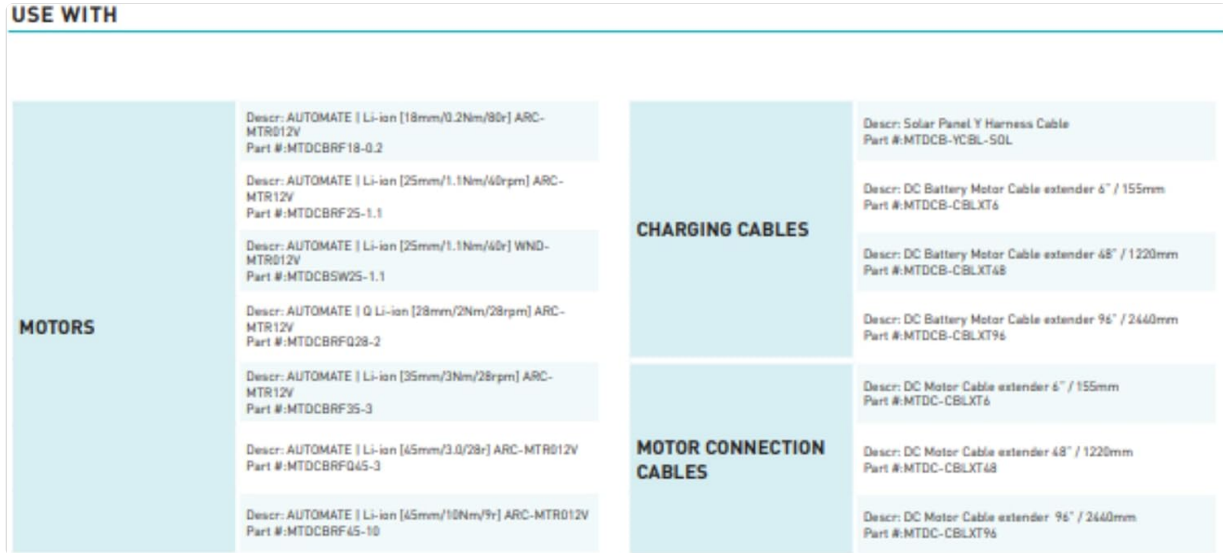


Figure 6.1: Diagram detailing various compatible RollEase Automate Li-ion motors and available charging/motor connection cables.

## 7. MAINTENANCE

- **Cleaning:** Disconnect the recharger from the power outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Storage:** Store the recharger in a cool, dry place away from direct sunlight and extreme temperatures. Keep the cable neatly coiled to prevent damage.
- **Cable Care:** Avoid bending or crimping the charging cable excessively. Do not pull on the cable to disconnect it from the motor or wall outlet; always grasp the plug.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor not charging.	Recharger not plugged in. Cable not securely connected to motor. Faulty power outlet. Motor battery issue.	Ensure recharger is firmly plugged into a live wall outlet. Verify the charging cable is fully inserted into the motor's charging port. Test the outlet with another device. Consult the motor's manual or contact RollEase support.

Problem	Possible Cause	Solution
Slow charging.	Motor battery heavily drained. Environmental factors (e.g., extreme cold).	Allow the full 8 hours for charging. Ensure charging occurs within recommended temperature ranges.
Recharger feels warm.	Normal operation.	A slight warmth during charging is normal. If it becomes excessively hot or emits smoke/odor, unplug immediately and discontinue use.

## 9. SPECIFICATIONS

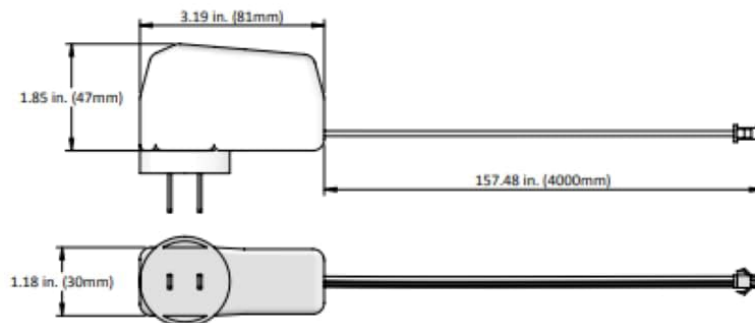
# AUTOMATE | Recharger for Li-ion Motors

Part#:	MTDCB-CHARGE	MTDCB-CHARGE-AU	MTDCB-CHARGE-EU
Description:	Recharger for DC Battery Motors	AUTOMATE   12V Li-ion Charger	AUTOMATE   12V Li-ion Charger

### FEATURES

- Recharge Battery powered motors

### DIMENSIONS



Part#:	MTDCB-CHARGE	MTDCB-CHARGE-AU	MTDCB-CHARGE-EU
A	0.39 in. [10mm]	0.39 in. [10mm]	0.75 in. [19mm]
B	Ø1.56 in. [40mm]	Ø1.56 in. [40mm]	1.07 in. [27mm]
C	-	-	-

### SPECIFICATIONS

Part #	MTDCB-CHARGE	MTDCB-CHARGE-AU	MTDCB-CHARGE-EU	MT03-0301-xxx001
Battery	Li-ion	Li-ion	Li-ion	Li-ion
Input	100-240V ~50/60Hz 0.4A	100-240V ~50/60Hz 0.4A	100-240V ~50/60Hz 0.4A	100-240V ~50/60Hz 0.4A
Output	12.6V 1000mA 12.6W	12.6V 1000mA 12.6W	12.6V 1000mA 12.6W	12.6V 1000mA 12.6W

Figure 9.1: Detailed dimensions and electrical specifications for the MTDCB-CHARGE and other regional variants.

- **Model:** MTDCB-CHARGE
- **Input:** 100-240V AC, 50/60Hz
- **Output:** 12.6V DC, 1A (12.6W)
- **Lead Length:** 13.1 feet (approximately 4 meters)
- **Compatible Motors:** RollEase Automate Li-ion (12VDC Version) Motors (18mm, 25mm, 28mm, 35mm, 45mm)
- **Charging Time:** 4 to 8 hours (depending on motor size)
- **Certifications:** UL Listed
- **Color:** White
- **Item Weight:** 5.3 ounces (0.15 Kilograms)
- **Package Dimensions:** 4.37 x 3.5 x 2.05 inches

## 10. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official RollEase Acmeda website or contact their customer service directly. Specific warranty terms may vary by region and purchase date.

**Manufacturer:** RollEase



Figure 10.1: The official RollEase Acmeda logo.