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CTEK 56-353

CTEK Battery Charger Bundle User Manual

Models: Multi US 7002 (56-353), MXS 5.0 (40-206)

1. PRODUCT OVERVIEW

This bundle provides a complete solution for 12-volt battery care, featuring two advanced CTEK battery chargers: the Multi US 7002 and the MXS 5.0. Both chargers offer fully automatic charging cycles, including patented desulphation and reconditioning functionalities to extend battery life and ensure optimal performance. The bundle also includes two high-quality silicone bumpers designed to protect your chargers and vehicle surfaces during use.

The Multi US 7002 is a versatile charger suitable for a wide range of 12V lead-acid batteries (14-225Ah), including WET, MF, Ca/Ca, AGM, and GEL. It features a unique SUPPLY mode for power supply during battery changes and a RECOND mode for restoring stratified batteries.

The MXS 5.0 is ideal for smaller 12V batteries (1.2-160Ah) and is particularly suited for start-stop systems. It also includes a reconditioning mode and built-in temperature sensing for optimized charging.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x CTEK Multi US 7002 12-Volt Battery Charger (Part No. 56-353)
- 1 x CTEK MXS 5.0 Fully Automatic 4.3 amp Battery Charger (Part No. 40-206)
- 1 x CTEK Bumper 100 (Part No. 40-058) for Multi US 7002
- 1 x CTEK Bumper 60 (Part No. 56-915) for MXS 5.0



Image: The complete CTEK Bundle showing both chargers and their respective protective bumpers.

3. INITIAL SETUP

3.1 Attaching the Protective Bumpers

The included silicone bumpers are designed to protect your chargers from impacts and provide extra grip. Simply slide the appropriate bumper onto each charger until it fits snugly.



Image: The MXS 5.0 charger with its black silicone bumper installed.

3.2 Connecting the Charger to the Battery

Follow these steps to safely connect your CTEK charger to a 12-volt battery:

1. Ensure the charger is disconnected from the wall socket.
2. Connect the red positive (+) clamp to the positive (+) battery terminal.
3. Connect the black negative (-) clamp to the negative (-) battery terminal. For vehicles, if connecting to the chassis, ensure it is away from the fuel line and battery.
4. Once connected to the battery, plug the charger into a suitable wall socket.



Image: A user connecting the CTEK Multi US 7002 to a vehicle battery.



Image: Visual guide for safe and easy connection and operation.

4. OPERATING INSTRUCTIONS

4.1 MXS 5.0 Charging Process

The MXS 5.0 features an 8-step fully automatic charging cycle designed to recondition, restore, and maintain your battery. Once connected and powered, the charger will automatically begin its sequence.



Image: The MXS 5.0 charger demonstrating its recondition, restore, and maintain capabilities.

Press the 'MODE' button to cycle through available charging programs, such as 'NORMAL' for standard charging, 'RECOND' for deeply discharged batteries, and 'AGM' for AGM batteries. The indicator lights will show the current charging stage.

4.2 Multi US 7002 Charging Process

The Multi US 7002 is a highly versatile charger with multiple modes for comprehensive battery care:

- **NORMAL Mode:** Standard charging for most 12V lead-acid batteries.
- **SUPPLY Mode:** Acts as a power supply unit, preventing loss of settings when changing a battery in a vehicle.
- **RECOND Mode:** Restores the power capacity of stratified batteries, prolonging their life.





Image: Close-up of the Multi US 7002 charger's interface.

Press the 'MODE' button to select the desired program. The charger will then automatically proceed through its charging steps, indicated by the illuminated LEDs.

5. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your CTEK chargers:

- Keep the chargers clean and dry. Wipe with a soft, damp cloth if necessary. Do not use harsh chemicals or abrasive cleaners.
- Store the chargers in a cool, dry place when not in use.
- Regularly inspect the cables and connectors for any signs of damage. Do not use if cables are frayed or damaged.
- The chargers are IP65 rated (splash and dustproof), but avoid submerging them in water.

6. TROUBLESHOOTING

If you encounter issues with your CTEK charger, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Charger not starting	Incorrect connection; Battery voltage too low; No power from wall socket.	Check battery connections (positive to positive, negative to negative). Ensure battery voltage is above 2V (for MXS 5.0) or 1.5V (for Multi US 7002). Verify wall socket has power.
Error light illuminated	Reverse polarity; Short circuit; Battery fault.	Disconnect and re-connect clamps ensuring correct polarity. Check for any short circuits in the cables or battery. If error persists, the battery may be faulty.
Charger not reaching full charge	Battery heavily sulphated; Incorrect mode selected.	For sulphated batteries, try the RECOND mode (if available on your model). Ensure the correct charging mode is selected for your battery type.
Charger gets warm	Normal operation during charging.	This is normal. Ensure adequate ventilation around the charger. If it becomes excessively hot or emits smoke, disconnect immediately.

If the problem persists after attempting these solutions, please contact CTEK customer support.

7. TECHNICAL SPECIFICATIONS

Key specifications for the CTEK Multi US 7002 and MXS 5.0 chargers:

Feature	Specification
Brand	CTEK
Output Voltage	12 Volts
Input Voltage	12 Volts (for charger operation)
Model Numbers	Multi US 7002 (56-353), MXS 5.0 (40-206)
Color	Black (chargers are typically grey/silver with black accents)

Feature	Specification
Safety Certifications	CE, FCC, UL
Protection Rating	IP65 (splash and dustproof)

8. WARRANTY AND CUSTOMER SUPPORT

CTEK products are manufactured to the highest quality standards and come with a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official CTEK website.

If you require technical assistance, have questions about your product, or need to initiate a warranty claim, please contact CTEK customer support through their official channels. Contact information can typically be found on the CTEK website or in the product packaging.

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