

CTEK 40-359

CTEK MXS 5.0 Battery Charger and Care Kit User Manual

Model: 40-359

INTRODUCTION

The CTEK MXS 5.0 is an advanced, microprocessor-controlled battery charger that offers unparalleled performance for lead-acid batteries from 1.2Ah up to 110Ah. It features an 8-step charging process, including patented desulphation and reconditioning functions, and a dedicated AGM mode. This charger is designed for safe, easy, and efficient use in various weather conditions, protecting vehicle electronics from surges and spikes.

This care kit includes essential accessories to enhance your battery charging and maintenance experience.



Image: The CTEK MXS 5.0 battery charger (black) alongside a smaller, lighter-colored companion unit, possibly a power bank or indicator.

INCLUDED COMPONENTS

The CTEK MXS 5.0 Battery Care Kit typically includes the following items:

- CTEK MXS 5.0 Battery Charger
- CTEK Comfort Connect Eyelet Terminals: For permanent connection to the battery, ideal for hard-to-reach batteries.
- CTEK Comfort Connect Clamp Connectors: For temporary connection to the battery.
- CTEK Bumper: A silicon rubber case designed to protect the charger and vehicle paintwork.
- CTEK Battery Bank/External Battery: A portable power bank styled like a miniature CTEK charger, useful for

charging mobile devices.



Image: Red and black battery clamps, along with ring terminal eyelets and quick-connect plugs, illustrating the various connection options.



Image: The retail packaging for the CTEK MXS 5.0 Battery Charger & Maintainer kit, showing the charger and the included 5000 mAh power bank.

SETUP AND CONNECTION

Follow these steps to safely connect your CTEK MXS 5.0 charger to a battery:

- 1. Prepare the Battery:** Ensure the battery terminals are clean and free from corrosion. If the battery is in a vehicle, ensure the vehicle's ignition is off.
- 2. Connect to Battery:**
 - If using *clamp connectors*: Connect the red (+) clamp to the positive battery terminal and the black (-) clamp to the negative battery terminal.
 - If using *eyelet terminals*: Permanently attach the eyelets to the battery terminals (red to positive, black to negative). Then, connect the charger's quick connector to the eyelet cable.
- 3. Connect to Power Outlet:** Plug the charger's power cord into a suitable wall socket.
- 4. Select Charging Program:** Press the "MODE" button on the charger to select the appropriate charging program for your battery type and condition.

The charger is designed to be non-sparking and reverse polarity protected for safe operation.

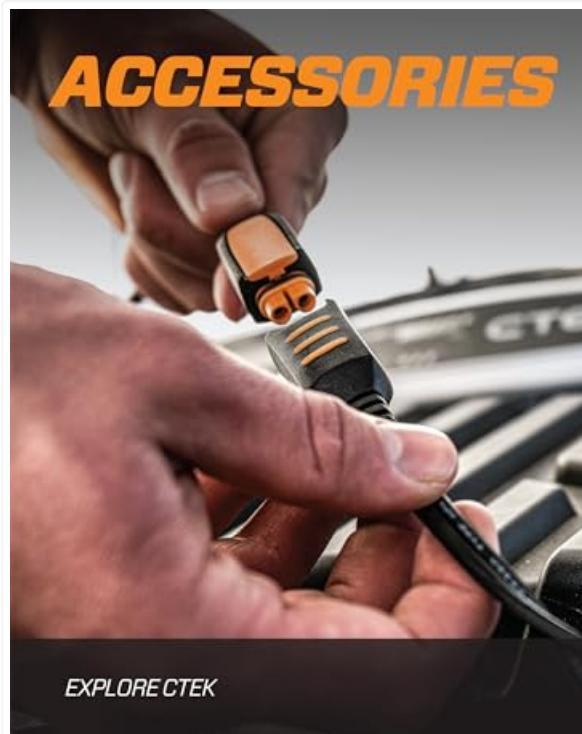


Image: A visual guide showing three steps: 1. Connect charger to battery, 2. Connect charger to wall socket, 3. Press Mode button to select charging program.

OPERATING THE CHARGER

The MXS 5.0 features an 8-step fully automatic charging cycle and various modes to optimize battery performance.

Charging Programs:

- **NORMAL:** For most lead-acid batteries (WET, MF, Ca/Ca, GEL, AGM).
- **AGM:** Optimized for AGM batteries, setting absorption and float voltages for optimal charging.
- **RECOND:** Reconditioning mode to restore stratified and deeply discharged batteries. This function analyzes the battery state and attempts to recover its power.
- **COLD/AGM:** For charging in cold conditions and for AGM batteries. The built-in temperature compensation ensures efficient charging in extreme temperatures.

Once a program is selected, the charger will automatically proceed through its 8-step charging cycle, which includes desulphation, soft start, bulk charge, absorption, analyze, recondition (if selected), float, and pulse maintenance.



Image: The MXS 5.0 charger displaying its 8-step charging process and compatibility with various vehicle types (motorcycle, car, RV, truck, tractor).

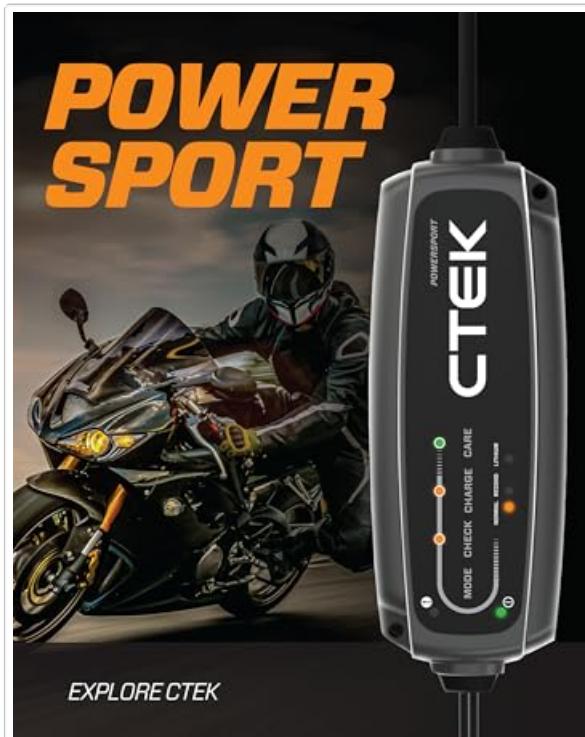


Image: A diagram showing a battery being charged, emphasizing the "Recondition. Restore. Maintain." capabilities through an 8-step fully automatic charging cycle.

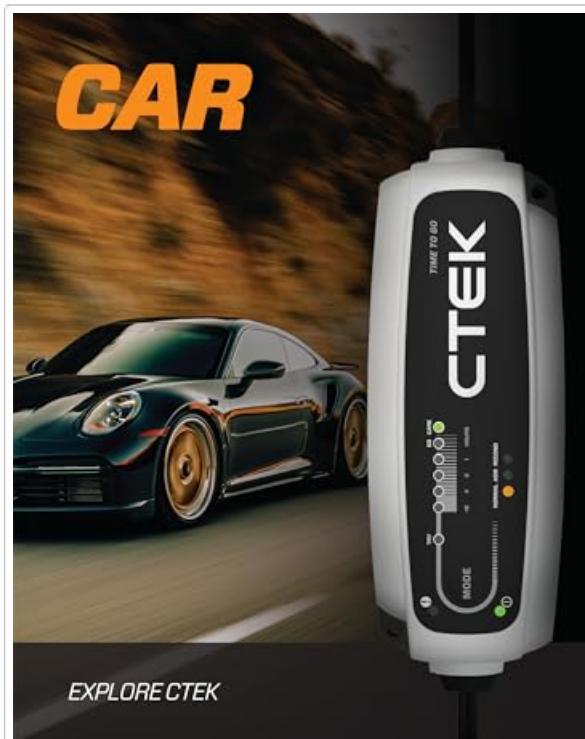


Image: A collection of various 12V lead-acid batteries, indicating support for AGM, CA/CA, EFB, WET, MF, and GEL battery types.



Image: The CTEK MXS 5.0 charger with water splashing, illustrating its improved charging capabilities in all weather types and its splash and dustproof design.

MAINTENANCE

The CTEK MXS 5.0 is designed not only to charge but also to maintain your battery's health over time. Its pulse maintenance charging mode ensures that the battery remains fully charged and ready for use, even during long periods of inactivity.

Regular use of the charger's desulphation and reconditioning functions can extend the lifespan of your battery by addressing common issues like sulphation and stratification.

TROUBLESHOOTING

If you encounter issues with your CTEK MXS 5.0 charger, consider the following common troubleshooting steps:

- **Charger Not Starting:** Ensure the charger is securely plugged into a live wall outlet and properly connected to the battery terminals (positive to positive, negative to negative). Check for any blown fuses in the power circuit.
- **Error Indicators:** Refer to the charger's LED indicators. A red light typically indicates a reverse polarity connection or a short circuit. Disconnect and re-connect carefully.
- **Battery Not Charging:** Verify that the selected charging program is appropriate for your battery type. If the battery is severely discharged, the charger's reconditioning mode may be needed, or the battery might be beyond recovery.
- **Overheating:** Ensure the charger is placed in a well-ventilated area. While the charger has built-in temperature compensation, extreme ambient temperatures can affect performance.

For persistent issues, please refer to the full product manual or contact CTEK customer support.

SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Number	40-359
Brand	CTEK
Product Dimensions	15.35 x 10.24 x 2.28 inches
Item Weight	2.79 pounds
Output Voltage	14.4 Volts (DC)
Color	Black, Silver
Battery Capacity (Charging)	1.2Ah to 110Ah
Charging Current	4.3 amp
Battery Types Supported	12V Lead-Acid batteries (WET, MF, Ca/Ca, GEL, AGM)

WARRANTY AND SUPPORT

For detailed warranty information regarding your CTEK MXS 5.0 Battery Charger and Care Kit, please refer to the warranty card included with your product or visit the official CTEK website. Warranty terms and conditions may vary by region.

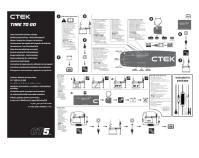
Should you require technical assistance, have questions about product operation, or need to report a defect, please contact CTEK customer support. You can typically find contact information on the manufacturer's website or within the product packaging.

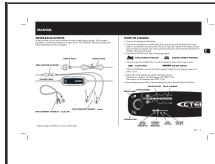
CTEK Official Website: www.ctek.com

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This manual is for informational purposes only. Always refer to the official product documentation for complete and up-to-date instructions and safety warnings.

Related Documents

	<p>CTEK MXS 7.0 Battery Charger User Manual</p> <p>Comprehensive user manual for the CTEK MXS 7.0 battery charger, detailing its features, charging programs, technical specifications, and safety guidelines for all types of 12V lead-acid batteries.</p>
	<p>CTEK MXS 5.0 Battery Charger User Manual</p> <p>Comprehensive user manual for the CTEK MXS 5.0 battery charger, covering safety instructions, operating procedures, charging programs, technical specifications, and warranty information.</p>
	<p>CTEK CT5 TIME TO GO Battery Charger User Manual and Specifications</p> <p>User manual and technical specifications for the CTEK CT5 TIME TO GO battery charger. This guide provides detailed instructions on safe operation, charging modes (NORMAL, AGM, RECOND), indicator lights, technical data, and warranty information. It covers multiple languages and aims for accessibility and SEO optimization.</p>



[CTEK MXS 5.0 Battery Charger Manual](#)

Comprehensive user manual for the CTEK MXS 5.0 battery charger, detailing charging programs, technical specifications, safety guidelines, and warranty information.