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› [CJ TECH 750mA Automatic Float Battery Charger/Maintainer \(Model 25305-EV\) User Manual](#)

CJ TECH 25305-EV

CJ TECH 750mA Automatic Float Battery Charger/Maintainer (Model 25305-EV) User Manual

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your CJ TECH 750mA Automatic Float Battery Charger/Maintainer, Model 25305-EV. This device is designed to charge and maintain 6V and 12V lead-acid batteries, including AGM and GEL types, ensuring optimal battery performance and extending battery life. Please read this manual thoroughly before operation and retain it for future reference.

SAFETY INFORMATION

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always operate the charger in a well-ventilated area.
- Avoid sparks, flames, or smoking near the battery during charging, as batteries can produce explosive gases.
- Wear eye protection and protective clothing when working with batteries.
- Disconnect the AC power supply before making or breaking connections to the battery.
- This charger is designed for 6V and 12V lead-acid batteries only. Do not use it to charge dry-cell batteries that are commonly used with home appliances, as these may burst and cause injury to persons and damage to property.
- Keep the charger and its components out of reach of children.
- The charger has an IP64 water-resistant rating, meaning it is protected from dust and splashing water. It is not designed to be submerged in water.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged.

PACKAGE CONTENTS

Verify that all items are present in your package:

- CJ TECH 750mA Automatic Float Battery Charger/Maintainer Unit

- Battery Clamp Connector
- Ring Terminal Connector



Image: The CJ TECH 750mA Automatic Float Battery Charger unit shown with its two interchangeable connection accessories: battery clamps and ring terminal connectors.

PRODUCT OVERVIEW

The CJ TECH 750mA Automatic Float Battery Charger/Maintainer is a compact and durable device designed for efficient battery care. It features automatic voltage detection and multiple safety protections.

LED Indicators

- **RED LED:** Indicates the battery is currently charging.
- **GREEN LED:** Indicates the battery is fully charged and the charger is in maintenance (float) mode.



Image: A detailed view of the charger unit, highlighting the LED indicators for 'CHARGING' (red) and 'STORAGE' (green), along with input/output specifications.

SETUP

1. **Identify Battery Voltage:** Determine if your battery is 6V or 12V. The charger automatically detects the voltage once connected.
2. **Choose Connector:** Select either the battery clamp connector or the ring terminal connector based on your battery's terminals.
3. **Connect to Battery:**
 - Connect the **RED** positive (+) connector to the positive (+) battery terminal.
 - Connect the **BLACK** negative (-) connector to the negative (-) battery terminal.

Ensure a secure connection. Avoid touching the positive and negative connectors together.

4. **Connect to AC Power:** Plug the charger's AC power cord into a standard 100-240V AC electrical outlet.



Image: The charger unit shown connected to an ATV battery using the battery clamp connectors, illustrating a typical setup scenario.

OPERATING INSTRUCTIONS

The CJ TECH charger operates automatically once connected to a battery and power source.

1. **Automatic Voltage Detection:** The charger will automatically detect if the connected battery is 6V or 12V. It requires an activation voltage of 4V for 6V batteries and 8V for 12V batteries to begin charging.
2. **Charging Mode:** When the battery is charging, the **RED LED** will illuminate. The charger delivers a constant current of $0.75A \pm 0.1A$ during this phase.
3. **Maintenance (Float) Mode:** Once the battery reaches full charge, the charger automatically switches to maintenance mode, and the **GREEN LED** will illuminate. In this mode, the charger provides a small, continuous current to keep the battery at optimal charge without overcharging, preventing sulfation and extending battery life.
4. **Disconnection:** To disconnect the charger, first unplug it from the AC power outlet, then disconnect the negative (-) battery connector, followed by the positive (+) battery connector.



Image: An illustration showing the charger's connection diagram to a battery and AC power, alongside a table detailing input voltage, output voltage, charging current, battery types, activation voltage, and housing protection.

MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your charger and batteries.

- **Cleaning:** Keep the charger unit clean and free from dust and debris. Use a dry cloth to wipe the exterior. Do not use solvents or abrasive cleaners.
- **Cable Inspection:** Regularly inspect the power cord and battery connectors for any signs of damage, fraying, or corrosion. Replace damaged components immediately.
- **Storage:** When not in use, store the charger in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure cables are neatly coiled to prevent damage.
- **Battery Care:** For optimal battery life, ensure battery terminals are clean and free of corrosion before connecting the charger.

TROUBLESHOOTING

If you encounter issues with your charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger not turning on / No LEDs illuminated	No AC power; Battery voltage too low for activation.	Check AC outlet and power cord connection. Ensure battery voltage is above 4V (for 6V) or 8V (for 12V).
RED LED stays on indefinitely	Battery is deeply discharged or damaged; Incorrect battery connection.	Allow more time for charging. Check battery connections for proper polarity. If the issue persists, the battery may be faulty.
GREEN LED is on, but battery seems low	Battery is faulty and cannot hold a charge.	Test the battery with a battery tester. The battery may need replacement.
Charger gets warm during operation	Normal operation.	A slight increase in temperature is normal during charging. Ensure adequate ventilation around the charger.

SPECIFICATIONS


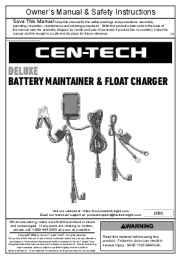




- **Model Number:** 25305-EV
- **Input Voltage:** AC 100-240V, 50/60Hz
- **Output Voltage:** 6V DC / 12V DC (Automatic Detection)
- **Charging Current:** 0.75A ±0.1A
- **Battery Types:** 6V/12V Lead-Acid Batteries (AGM, GEL)
- **Activation Voltage:** 4V for 6V batteries, 8V for 12V batteries
- **Housing Protection:** IP64 Water Resistant
- **Product Dimensions:** 3 x 3 x 5 inches
- **Item Weight:** 9.9 ounces
- **Certifications:** CETL / CE-EMC / CE-LVD / ROHS

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact CJ TECH customer service. Keep your proof of purchase for warranty claims.



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	<p>CEN-TECH Deluxe Battery Maintainer & Float Charger Owner's Manual and Safety Instructions</p> <p>Comprehensive owner's manual and safety guide for the CEN-TECH Deluxe Battery Maintainer & Float Charger (Model 62813). Covers safety precautions, operating instructions, connection procedures, maintenance, specifications, and warranty information.</p>
	<p>CEN-TECH DELUXE Battery Maintainer & Float Charger Owner's Manual and Safety Instructions</p> <p>Official owner's manual and safety guide for the CEN-TECH DELUXE Battery Maintainer & Float Charger (Model 62813). Covers safe operation, charging procedures, maintenance, specifications, and warranty information from Harbor Freight Tools.</p>
	<p>Auxus Wallbox EV Charger User Manual</p> <p>User manual for the Auxus Wallbox EV Charger, covering installation, operation, features, specifications, and troubleshooting for 7kW, 11kW, and 22kW models. Includes detailed guidance on electrical connections, display screen functions, fault indicators, and common issues.</p>
	<p>EnerSys HAWKER evolution ATEX-Certified Batteries Owner's Manual</p> <p>Comprehensive owner's manual for EnerSys HAWKER evolution ATEX-certified batteries, covering safe handling, operation, maintenance, charging, storage, and safety precautions for use in hazardous areas.</p>
	<p>Your Guide to EV Products, Training & Solutions from CEF</p> <p>Comprehensive guide from CEF covering electric vehicle (EV) charging products, regulations, training, and installation solutions for electricians and businesses in the UK.</p>
	<p>CIRCUTOR IDA-EV Residual Current Operated Circuit-Breaker Installation Guide</p> <p>Installation guide for the CIRCUTOR IDA-EV residual current operated circuit-breaker (RCCB) with 6 mAdc supervision, designed for electric vehicle charging points. Includes technical specifications and connection diagrams for IDA-EV-40-30 and IDA-EV-63-30 models.</p>