Banshee TE4-0232

Banshee TE4-0232 2/10/50A Battery Charger with Engine Start User Manual

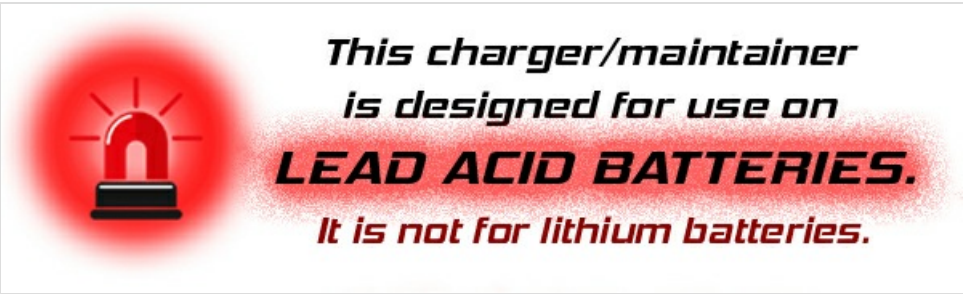
Model: TE4-0232

1. Introduction

Thank you for choosing the Banshee TE4-0232 2/10/50A Battery Charger with Engine Start. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new battery charger. Please read these instructions carefully before use and retain them for future reference.

Important Safety Information

- This charger is designed exclusively for **12V Lead-Acid Batteries** (SLI and Deep Cycle types).
- **DO NOT use this charger with Lithium-Ion batteries or any other battery types.** Using it with incompatible batteries can cause damage to the charger, battery, and may result in fire or explosion.
- Always operate in a well-ventilated area.
- Avoid sparks or flames near the battery during charging.
- Wear appropriate personal protective equipment, including eye protection and gloves.
- Keep out of reach of children.



Warning: This charger is designed for Lead Acid Batteries only. It is not for lithium batteries.

2. Product Overview

The Banshee TE4-0232 is an automatic battery charger featuring multiple charging rates and an engine start function. Familiarize

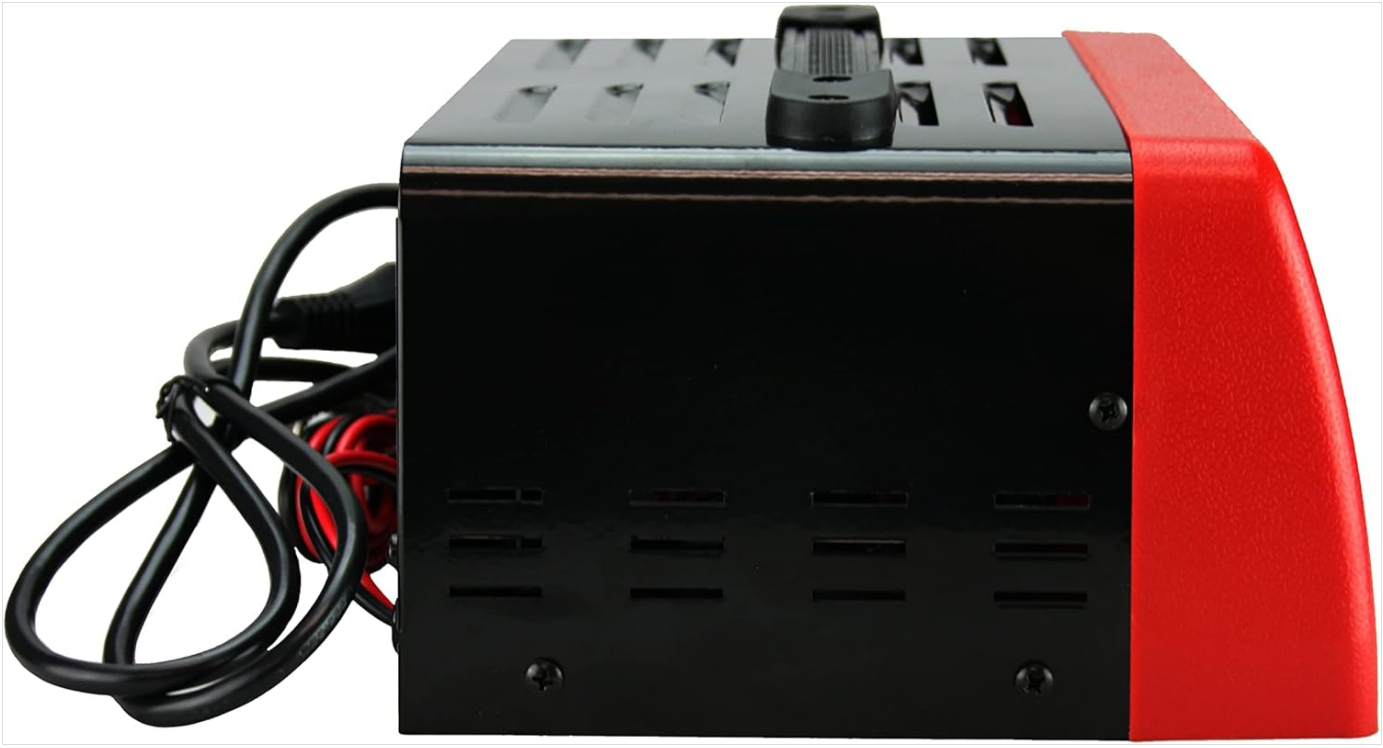
yourself with its components and controls.

Components

- Main Charger Unit
- AC Power Cord
- Battery Clamps (Red for Positive, Black for Negative)



Top view of the Banshee TE4-0232 battery charger, showing the main unit, AC power cord, and battery clamps.



Side view of the Banshee TE4-0232 battery charger, highlighting its compact design and ventilation slots.



Rear view of the Banshee TE4-0232 battery charger.

Control Panel

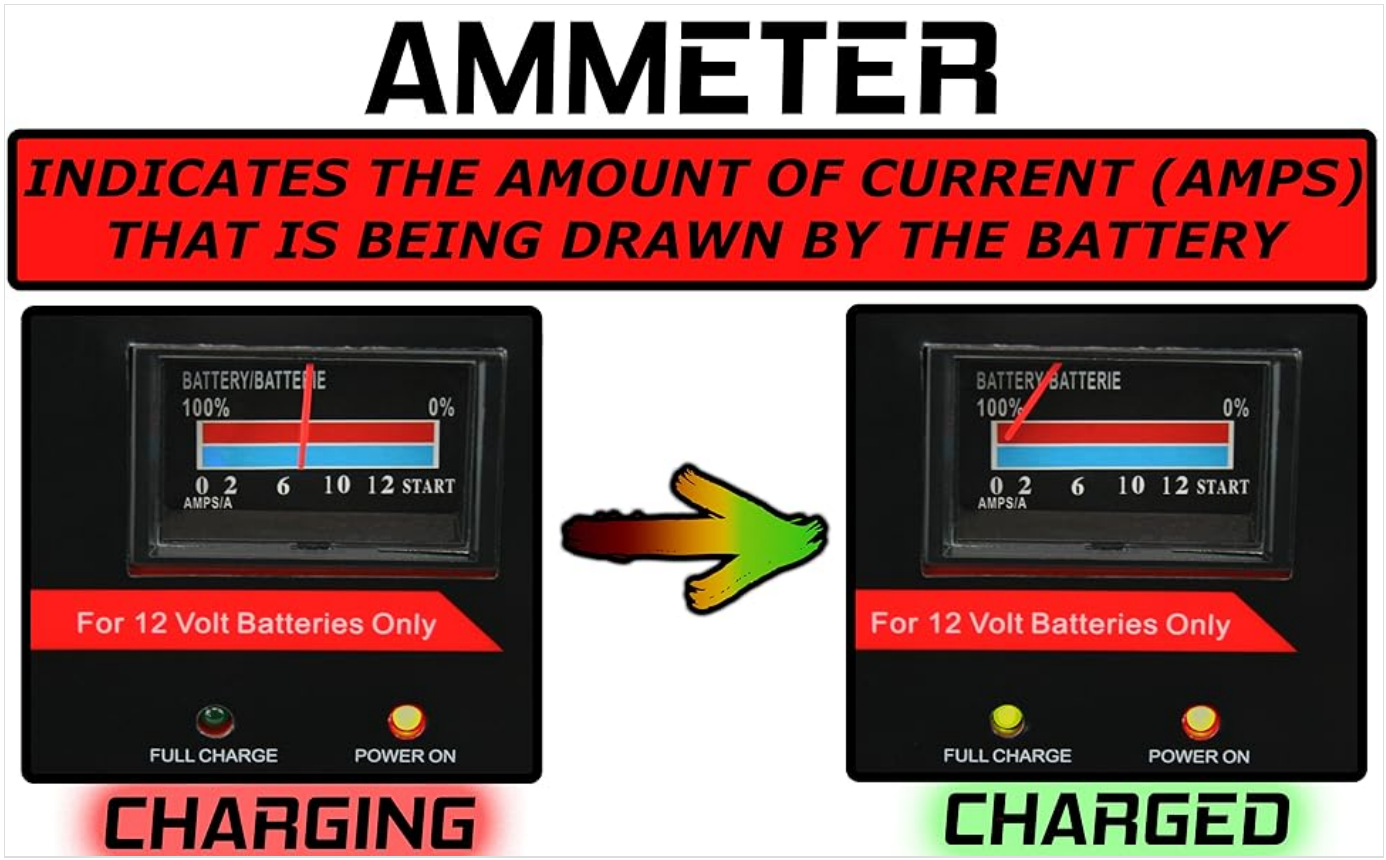
The control panel features switches and indicators for selecting charging modes and monitoring status.

- **Battery Type Switch:** Selects between SLI (Starting, Lighting, Ignition) and Deep Cycle battery types.
- **Charge Rate Selector Switch:** Allows selection of 2A, 10A, or 50A (Engine Start) charging rates.

- **Ammeter:** Displays the current (amps) being drawn by the battery during charging.
- **LED Indicators:** 'Full Charge' (green) illuminates when charging is complete, 'Power On' (red) indicates the unit is receiving power.



Detailed view of the control panel, showing the Battery Type Switch (SLI/Deep Cycle) and the Charge Rate Selector Switch (2A, 10A, 50A).



The Ammeter indicates current draw, and LED indicators show 'Full Charge' and 'Power On' status.

3. Setup

Follow these steps to safely set up your battery charger.

1. **Unpack the Charger:** Remove the charger and all accessories from the packaging. Inspect for any damage.
2. **Prepare the Battery:** Ensure the battery terminals are clean and free of corrosion. If necessary, clean them with a wire brush.
3. **Connect Battery Clamps:**
    - Connect the **RED (Positive +)** clamp to the **positive (+)** terminal of the battery.
    - Connect the **BLACK (Negative -)** clamp to the **negative (-)** terminal of the battery.

    Ensure a secure connection. Do not allow the clamps to touch each other once connected to the battery.



Close-up view of the battery clamps and AC power plug.

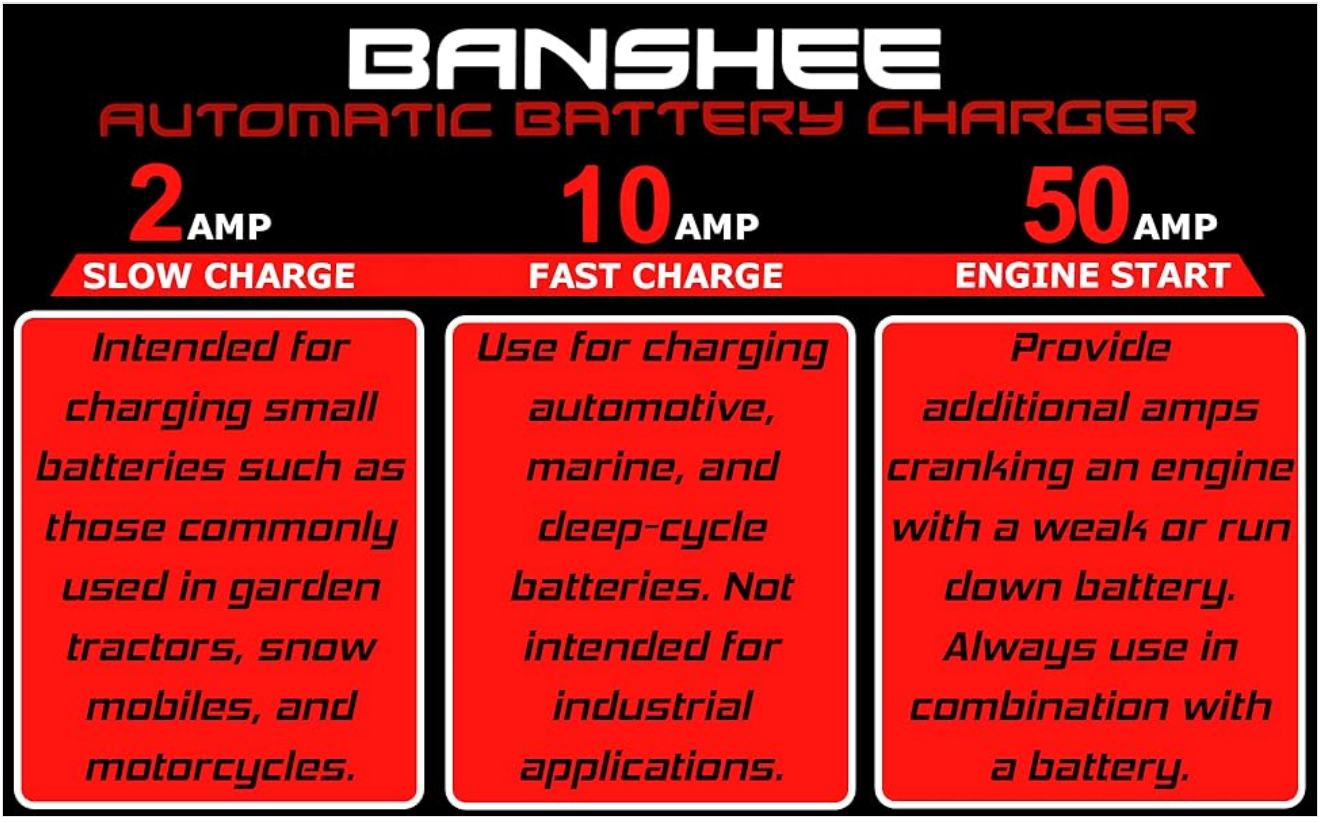
4. **Connect to AC Power:** Plug the AC power cord into a standard 120V AC electrical outlet. The 'Power On' LED indicator will illuminate.

4. Operating Instructions

This charger offers three operating modes: 2A Slow Charge, 10A Fast Charge, and 50A Engine Start.

4.1. Charging a Battery

1. **Connect the Charger:** Follow the setup instructions in Section 3.
2. **Select Battery Type:** Use the Battery Type Switch to select either **SLI** (Starting, Lighting, Ignition) or **Deep Cycle**, matching your battery type.
3. **Select Charge Rate:** Use the Charge Rate Selector Switch to choose the desired amperage:
    - **2A (Slow Charge):** Intended for charging small batteries, such as those commonly used in garden tractors, snowmobiles, and motorcycles.
    - **10A (Fast Charge):** Use for charging automotive, marine, and deep-cycle batteries. Not intended for industrial applications.



Explanation of the 2A, 10A, and 50A (Engine Start) charge rates and their applications.

4. **Monitor Charging:** The Ammeter will show the current flowing into the battery. As the battery charges, the amperage will gradually decrease. The 'Full Charge' green LED will illuminate when the battery is fully charged.
5. **Disconnect:** Once fully charged, first unplug the AC power cord, then disconnect the negative (black) clamp, followed by the positive (red) clamp.

4.2. Engine Start Function (50A)

The 50A Engine Start function provides a temporary boost to help start an engine with a weak or run-down battery. **It is not a standalone jump starter and must always be used in combination with a battery.**

1. **Connect the Charger:** Follow the setup instructions in Section 3.
2. **Select Engine Start:** Set the Charge Rate Selector Switch to **50A (Engine Start)**.
3. **Attempt Engine Start:** Turn the ignition key to start the engine. If the engine does not start within 5 seconds, wait 3 minutes

before trying again to allow the charger to cool.

4. **Disconnect:** Once the engine starts, immediately unplug the AC power cord, then disconnect the negative (black) clamp, followed by the positive (red) clamp.

5. Maintenance

Proper maintenance ensures the longevity and safe operation of your charger.

- **Cleaning:** Disconnect the charger from all power sources before cleaning. Wipe the exterior with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Cable and Clamp Inspection:** Regularly inspect the AC power cord, battery cables, and clamps for any signs of damage, fraying, or corrosion. Replace damaged components immediately.
- **Storage:** Store the charger in a clean, dry, and cool place when not in use. Keep cables neatly coiled to prevent damage.

6. Troubleshooting

If you encounter issues with your Banshee TE4-0232 charger, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Charger not powering on (No 'Power On' LED)	No AC power; Faulty outlet; Damaged power cord.	Check AC outlet with another device; Inspect power cord for damage; Ensure plug is fully inserted.
Battery not charging (Ammeter shows 0A or very low current)	Poor connection to battery; Incorrect battery type/charge rate selected; Severely discharged or faulty battery.	Ensure clamps are securely connected; Verify correct battery type and charge rate; Have battery tested by a professional.
Engine Start function not working	Battery too weak; Incorrect connection; Engine Start cycle too short.	Ensure battery is connected and charger is set to 50A; Allow 3 minutes between start attempts; Battery may be beyond recovery.
'Full Charge' LED not illuminating	Battery not fully charged; Faulty LED.	Allow more time for charging; If battery is confirmed fully charged, LED may be faulty (contact support).

7. Specifications

Detailed technical specifications for the Banshee TE4-0232 Battery Charger.

Feature	Detail
Brand	Banshee

Feature	Detail
Model Number	TE4-0232
Input Voltage	120 Volts AC (Standard Household)
Output Voltage	12 Volts DC
Current Rating	2 Amps, 10 Amps, 50 Amps (Engine Start)
Amperage	50 Amps (Max)
Number of Ports	3 (referring to charge rates)
Compatible Battery Types	12V Lead-Acid (SLI, Deep Cycle)
Manufacturer	BatteryJack inc.
UPC	876239006843

8. Warranty and Support

Warranty Information

The Banshee TE4-0232 Battery Charger comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, abuse, unauthorized modifications, or failure to follow operating instructions.

Customer Support

For technical assistance, warranty claims, or any questions regarding your Banshee battery charger, please contact Banshee customer support. Refer to your purchase documentation or the Banshee website for contact details.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question