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Banshee TE4-0233

Banshee TE4-0233 12V Car Battery Charger and Engine Starter User Manual

Model: TE4-0233 | Brand: Banshee

INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your Banshee TE4-0233 Automatic Battery Charger, Maintainer, and Engine Starter. Please read this manual thoroughly before use to ensure proper function and to prevent damage or injury. This device is designed for charging and maintaining 12V lead-acid batteries, including SLI (Starting, Lighting, Ignition) and Deep Cycle types, and for providing an engine start boost.

IMPORTANT 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.
- Never charge a frozen battery.
- Ensure the charger is disconnected from the AC power outlet before making or breaking connections to the battery.
- Keep sparks, flames, and smoking materials away from the battery. Batteries produce explosive gases during charging.
- Wear eye protection and protective clothing when working with batteries.
- Do not expose the charger to rain or wet conditions.
- This charger is for 12V lead-acid batteries only. Do not use with other battery types.
- Keep out of reach of children.

PRODUCT OVERVIEW

The Banshee TE4-0233 is a versatile battery charger featuring multiple charging modes and safety indicators.



Figure 1: Front view of the Banshee TE4-0233 Automatic Battery Charger. Shows the main unit with attached power cord and battery clamps, along with the control panel displaying charge rates and indicators.

Key Features:

- **Multiple Charge Modes:** Includes Slow Charge (2A), Fast Charge (12A), and Engine Start (75A) for various needs.
- **Automatic Maintainer Mode:** Automatically switches to maintainer mode once the battery is fully charged to prevent overcharging.
- **Built-in Ammeter:** Displays the current charge rate.
- **LED Indicators:** Separate LEDs for "Power On" and "Full Charge" status.
- **Battery Type Selector:** Switch between SLI and Deep Cycle battery types.
- **Portability:** Features a built-in carrying handle and a 6-foot cable for convenience.
- **Venting:** All-around venting for optimal heat dissipation during operation.

12V Lead Acid Battery Charger



Figure 2: Detailed view of the charger's control panel, highlighting the LED power and charge indicators, the battery type switch (SLI/Deep Cycle), and the charge rate selector (2A, 12A, 75A).

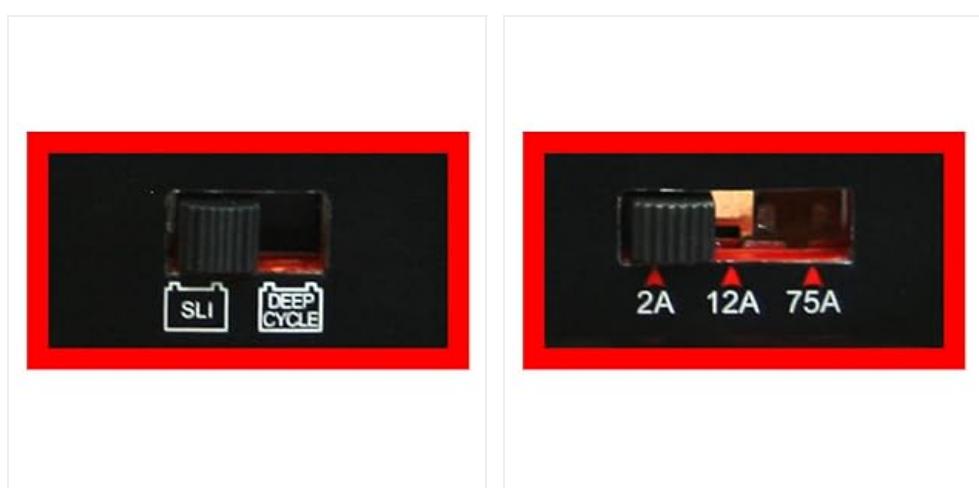


Figure 3: Close-up views of the battery type switch (left) for selecting SLI or Deep Cycle batteries, and the charge rate selector (right) for choosing 2A, 12A, or 75A modes.

**All around
venting**

**Handle
for easy
transport**

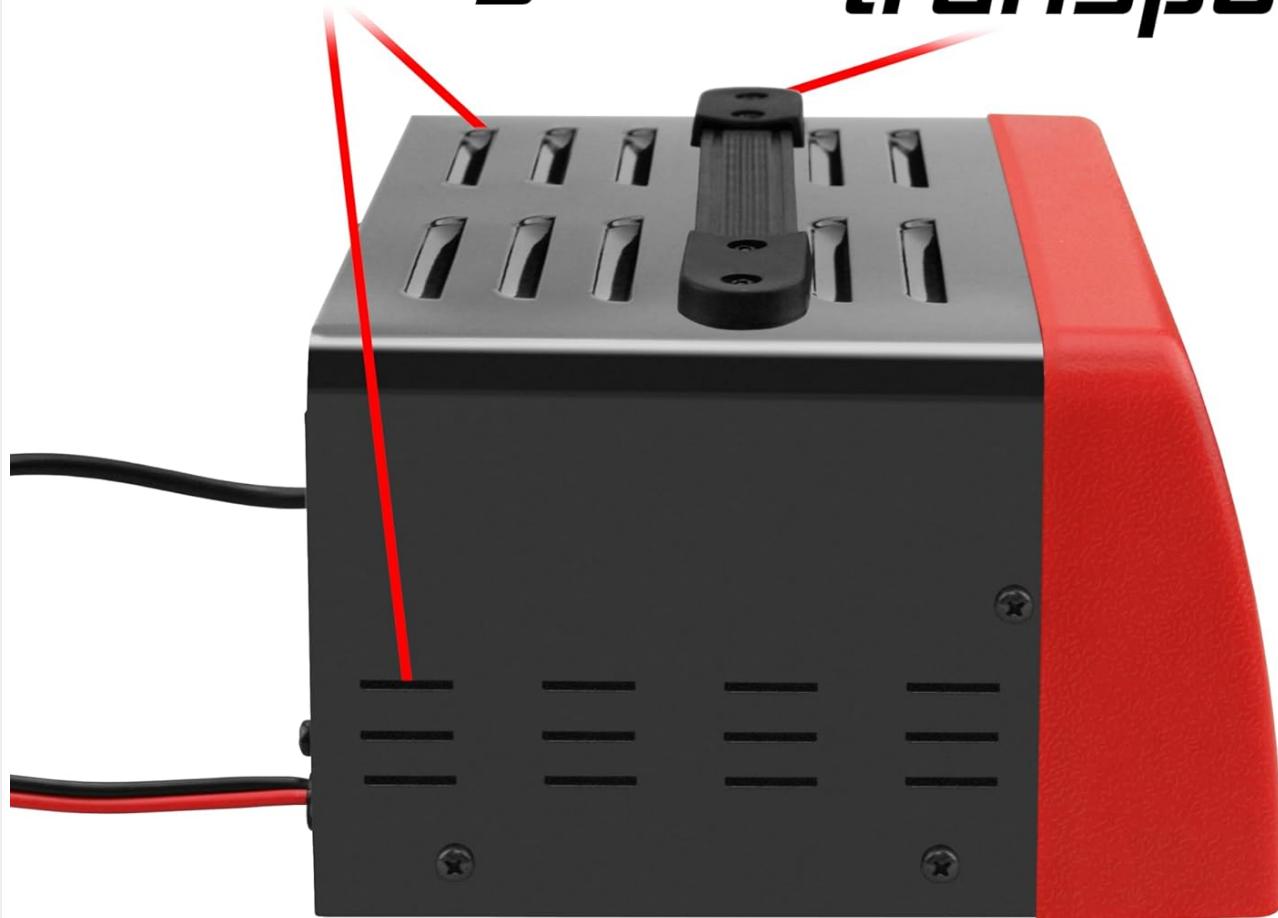


Figure 4: Side view of the Banshee TE4-0233 charger, illustrating the all-around venting for heat dissipation and the integrated handle for easy transport.

SETUP

- Placement:** Position the charger on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Battery Preparation:** Ensure the battery terminals are clean and free of corrosion. If necessary, clean them with a wire brush and a baking soda solution.
- Identify Battery Type:** Determine if your battery is an SLI (Starting, Lighting, Ignition) or Deep Cycle type. Locate the "Battery Type Switch" on the charger and set it to the appropriate position (refer to Figure 2 and Figure 3).
- Connect to Battery:**
 - Connect the RED positive (+) clamp to the positive (+) battery terminal.
 - Connect the BLACK negative (-) clamp to the negative (-) battery terminal.
 - Ensure connections are secure.
- Connect to AC Power:** Plug the charger's AC power cord into a standard 120V AC wall outlet. The "Power On" LED indicator should illuminate.

OPERATING INSTRUCTIONS

Charging a Battery:

1. **Select Charge Rate:** Use the "Charge Rate Selector" switch to choose the desired charging amperage (refer to Figure 2 and Figure 3):
 - **2A (Slow Charge):** Ideal for smaller batteries or for a gentle, extended charge to maximize battery life.
 - **12A (Fast Charge):** Suitable for most automotive batteries requiring a quicker charge.
2. **Monitor Charging:** The built-in ammeter will display the charging current. The "Full Charge" LED will remain off during charging.
3. **Automatic Maintainer Mode:** Once the battery reaches full charge, the charger will automatically switch to a maintenance mode. The "Full Charge" LED will illuminate green. At this point, the charger can remain connected to maintain the battery's charge without overcharging.



Figure 5: Illustration showing the charger's display during the charging process (left, "Full Charge" LED off) and when the battery is fully charged (right, "Full Charge" LED illuminated green).

Engine Start (75A Boost):

The 75A Engine Start feature provides a quick boost to start vehicles with a discharged battery. This is not a charging mode and should only be used for starting.

1. **Ensure Connections:** Verify the charger is correctly connected to the battery terminals and plugged into an AC outlet.
2. **Select Engine Start:** Set the "Charge Rate Selector" switch to the "75A" position (refer to Figure 2 and Figure 3).
3. **Attempt Start:** Immediately attempt to start the vehicle. Do not crank the engine for more than 5 seconds. If the vehicle does not start, wait at least 3 minutes before attempting again.
4. **Disconnect:** Once the vehicle starts, immediately switch the charger off or unplug it from the AC outlet, then disconnect the battery clamps.
5. **Post-Start Charging:** After using the engine start feature, it is recommended to charge the battery using the 2A or 12A mode to fully replenish its charge.

MAINTENANCE

- **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 Inspection:** Regularly inspect the AC power cord and battery cables for any signs of damage, cuts, or fraying. Do not use the charger if cables are damaged.
- **Storage:** Store the charger in a cool, dry place when not in use. Coil the cables neatly to prevent tangling and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not turning on (Power On LED off)	No AC power; faulty outlet; damaged power cord.	Check AC outlet with another device. Ensure power cord is securely plugged in. Inspect cord for damage.
Battery not charging (Ammeter shows no current, Full Charge LED off)	Poor battery connection; incorrect battery type selected; deeply discharged battery.	Ensure battery clamps are securely attached and terminals are clean. Verify correct SLI/Deep Cycle setting. Allow more time for deeply discharged batteries.
Engine Start feature not working	Insufficient battery charge; poor connections; vehicle issue.	Ensure battery clamps are secure. Confirm 75A mode is selected. If vehicle still won't start, consult a mechanic.
Charger gets hot during use	Normal operation during high current charging; poor ventilation.	Some heat is normal. Ensure adequate ventilation around the charger. If excessively hot or smoking, disconnect immediately.

SPECIFICATIONS

- Model:** TE4-0233
- Input Voltage:** 120V AC
- Output Voltage:** 12 Volts (DC)
- Charge Modes:** 2A (Slow Charge), 12A (Fast Charge), 75A (Engine Start)
- Compatible Battery Types:** 12V Lead-Acid (SLI, Deep Cycle)
- Item Weight:** 6 pounds
- Product Dimensions:** 8 x 10.25 x 5 inches
- Manufacturer:** BatteryJack inc.

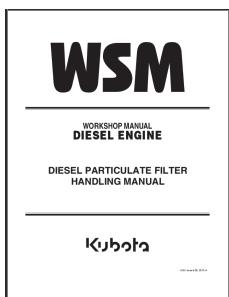
WARRANTY AND SUPPORT

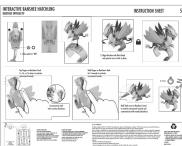
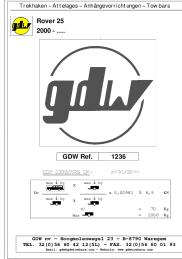
The Banshee TE4-0233 Automatic Battery Charger comes with a **2-year warranty** from the date of purchase. For warranty claims or technical support, please refer to the contact information provided with your purchase documentation or visit the official Banshee website.

For additional information or assistance, you may visit the [Banshee Store on Amazon](#).

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Related Documents - TE4-0233

	<p>Kubota Diesel Particulate Filter (DPF) Handling and Servicing Manual</p> <p>This workshop manual provides detailed information and procedures for the servicing and maintenance of Kubota Diesel Particulate Filters (DPF), covering regeneration, cleaning, disassembly, assembly, and troubleshooting for various engine models.</p>
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	<p>Stone Garden Lifestyle Five Piece Armchair and Footstool Patio Set - Care and User Guide</p> <p>Comprehensive care and user guide for the Stone Garden Lifestyle Five Piece Armchair and Footstool Patio Set. Includes assembly, maintenance, safety instructions, and product details for models 0258-1C, 0258-1F, and 0258-ST.</p>
	<p>Interactive Banshee Hatchling: Setup and Operation Guide</p> <p>Comprehensive instruction sheet for the Interactive Banshee Hatchling toy, detailing setup, activation, interaction modes, and battery information. Learn how to bring your Banshee to life.</p>
	<p>Biamp Newport Mixer Schematics and Component Layouts</p> <p>This document provides detailed schematics and component layout diagrams for the Biamp Newport audio mixer. It covers the Input PCB, Stereo Input PCB, Submaster PCB, Dual Meter PCB, and the Rackmax II/Newport Power Supply, offering insights into the internal circuitry and component placement.</p>
	<p>Freewing Banshee 64mm EDF Jet - Assembly and Operation Manual</p> <p>Comprehensive guide for assembling and operating the Freewing 64mm Banshee EDF Jet, including specifications, PNP assembly instructions, control tests, and safety precautions.</p>
	<p>GDW Tow Bar Installation Guide for Rover 25 (2000-)</p> <p>Comprehensive installation guide and technical specifications for the GDW tow bar (Ref. 1236) designed for the Rover 25 model year 2000 and onwards. Includes parts list, step-by-step instructions, bumper cutting details, and torque specifications.</p>