

## Battery Tender 022-0211-DL-WH

# Battery Tender Plus 12V 1.25 AMP Battery Charger and Maintainer Instruction Manual

Model: 022-0211-DL-WH

## 1. INTRODUCTION

The Battery Tender Plus 12V 1.25 AMP Battery Charger and Maintainer is an advanced, automatic battery charging and maintenance system. It is designed to fully charge and then maintain a battery at proper storage voltage without the damaging effects of trickle chargers. This unit is suitable for lead-acid, flooded, and sealed maintenance-free batteries (AGM and gel cell) commonly found in powersports vehicles such as ATVs, motorcycles, snowmobiles, and more. The selectable 6V or 12V operation provides versatility for various battery types.



Image 1.1: The Battery Tender Plus 1.25 AMP Automatic Battery Charger and Maintainer with included alligator clips.

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before operating this charger. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Always connect the charger to a grounded outlet. Do not expose the charger to rain or wet conditions.
- **Ventilation:** Ensure adequate ventilation when charging batteries. Batteries can produce explosive gases.
- **Spark Prevention:** Make connections to the battery before plugging the charger into an electrical outlet to prevent sparks. Disconnect the AC power before disconnecting the battery leads.
- **Battery Type:** This charger is designed for lead-acid, flooded, AGM, and gel cell batteries. Do not attempt to charge other battery types.
- **Damaged Batteries:** Do not charge frozen or visibly damaged batteries.
- **Children and Pets:** Keep the charger and battery out of reach of children and pets.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1 x Battery Tender Plus 1.25 AMP Automatic Battery Charger and Maintainer (Model: 022-0211-DL-WH)
- 1 x Quick Disconnect Alligator Clip Harness
- 1 x Quick Disconnect Ring Terminal Harness

# One Cable, TWO CONNECTIONS

Use the **alligator clips**,  
or access the **ring terminals**  
with a hex wrench.



Image 3.1: Included alligator clips and ring terminal harnesses for versatile battery connection.

## 4. PRODUCT FEATURES

The Battery Tender Plus 1.25 AMP Charger and Maintainer offers several key features for optimal battery care:

- **Selectable Voltage:** Easily switch between 6V and 12V charging modes with a push of a button to accommodate different battery requirements.
- **Automatic Charging:** Provides a full charge to your battery before automatically transitioning to float mode.
- **Float Mode Maintenance:** Maintains proper voltage levels without overcharging, preventing battery damage during long-term storage.
- **Extended Battery Life:** Utilizes a complete 4-step charging program (Initialization, Bulk Charge, Absorption Mode, Float Mode) for optimized battery power and longevity.
- **Safety Features:** Includes spark-proof connection during lead attachment and automatic reverse polarity detection to ensure correct and safe operation.
- **Compact Design:** Lightweight and compact, allowing for easy use and storage in various environments.



Image 4.1: Overview of the charger's main features, including selectable voltage and safety mechanisms.

## 5. SETUP

Follow these steps to set up your Battery Tender Plus charger:

1. **Identify Battery Voltage:** Determine if your battery is 6V or 12V.
2. **Select Charger Voltage:** On the charger unit, press the 'Battery Voltage Select' button to toggle between 6V and 12V. The corresponding LED indicator will illuminate.
3. **Choose Connection Method:** Select either the alligator clip harness or the ring terminal harness based on your battery's terminals.
4. **Connect to Battery:**
  - Connect the **red positive (+)** lead from the charger to the **positive (+)** terminal of the battery.
  - Connect the **black negative (-)** lead from the charger to the **negative (-)** terminal of the battery.
5. **Connect to AC Power:** Plug the charger's AC power cord into a standard 120V AC electrical outlet.

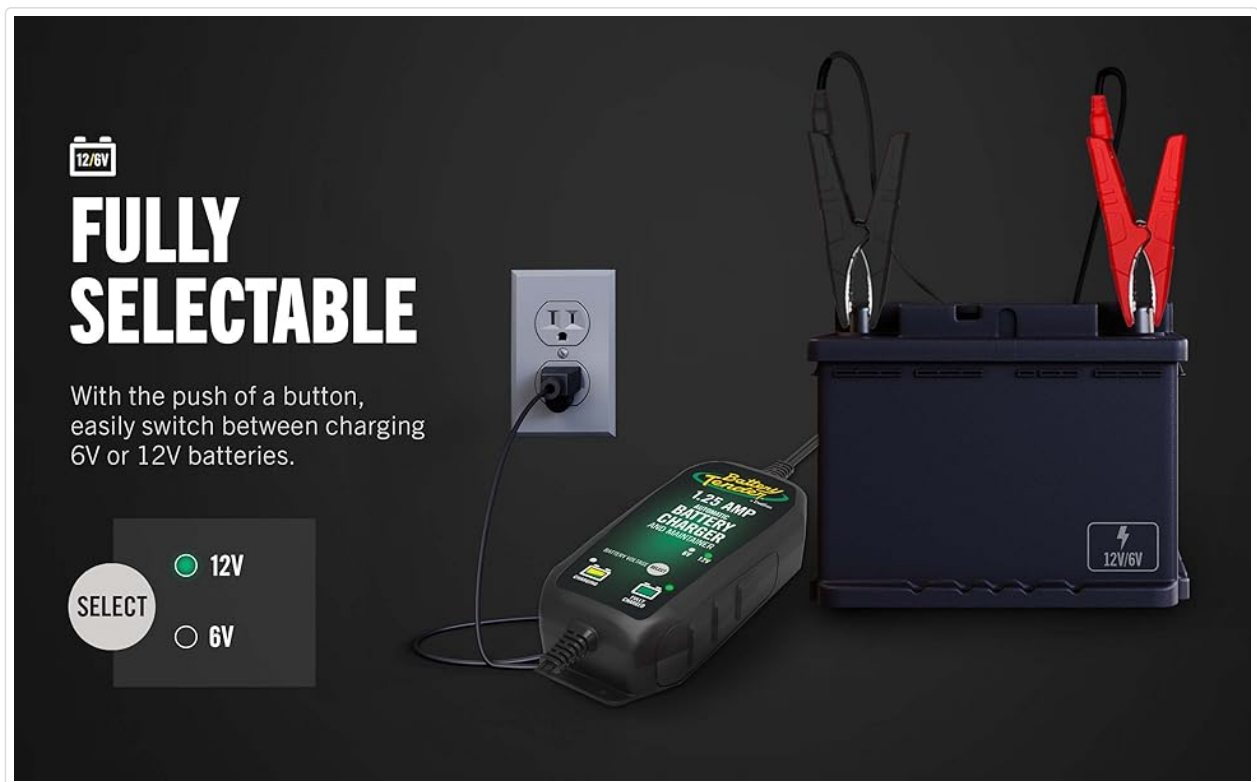


Image 5.1: Illustration of the selectable voltage feature and proper connection to a battery.

## 6. OPERATING INSTRUCTIONS

Once properly connected, the Battery Tender Plus will automatically begin its 4-step charging process:

1. **Initialization:** The charger checks the battery connection and voltage level.
2. **Bulk Charge:** The charger delivers a constant current to bring the battery's charge up efficiently. The 'Charging' indicator light will be illuminated.
3. **Absorption Mode:** As the battery approaches full charge, the current delivery slows down to prevent overcharging.
4. **Float Mode:** Once the battery is fully charged, the charger automatically switches to a maintenance mode, supplying a small, precise current to maintain optimal voltage. The 'Fully Charged' indicator light will be illuminated.

The charger is designed to be left connected for extended periods, providing continuous maintenance without overcharging.



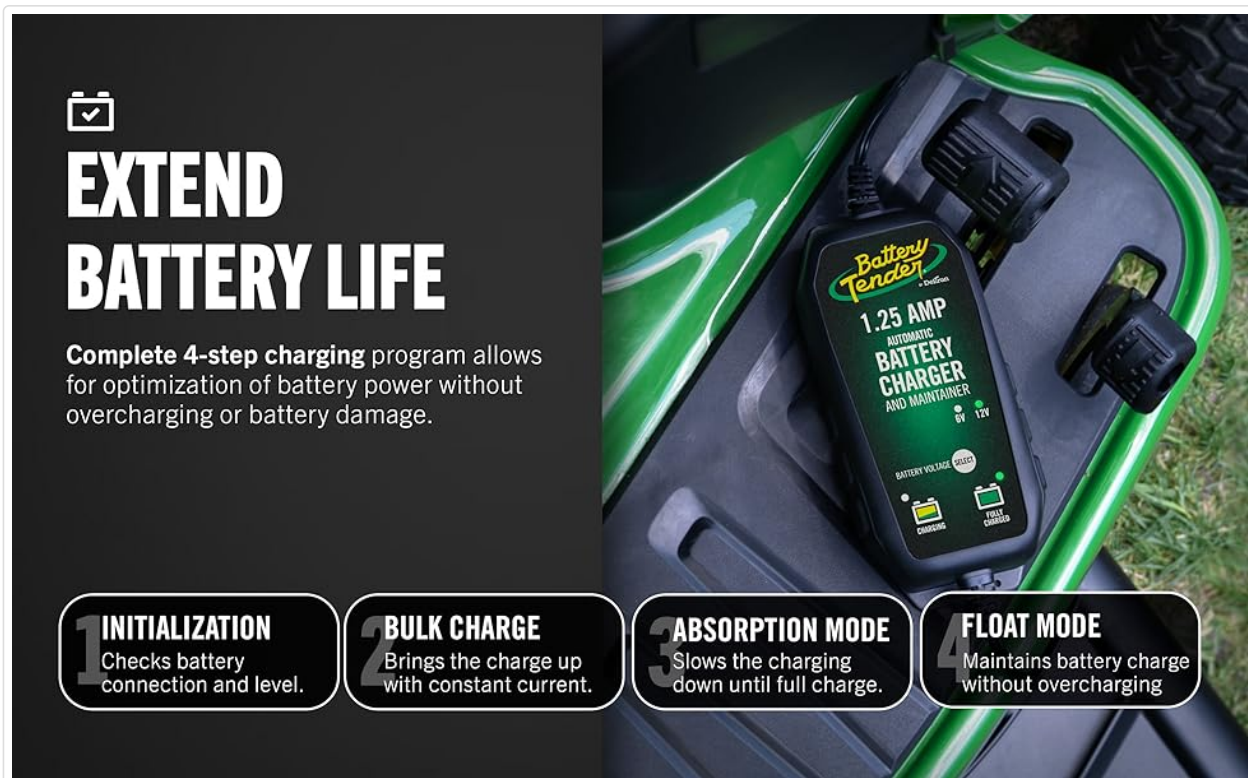


Image 6.1: The 4-step charging program ensures optimal battery health and prevents overcharging.

## 7. MAINTENANCE

To ensure the longevity and proper function of your Battery Tender Plus charger and your battery:

- **Charger Care:** Keep the charger clean and dry. Avoid exposing it to extreme temperatures or direct sunlight for prolonged periods.
- **Connection Integrity:** Periodically inspect the battery leads and connectors for any signs of wear, corrosion, or damage. Replace if necessary.
- **Battery Inspection:** For flooded lead-acid batteries, check the electrolyte levels regularly and top up with distilled water if needed, following battery manufacturer guidelines.
- **Storage:** When not in use, store the charger in a cool, dry place.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger indicator lights are off.	No AC power, faulty outlet, or internal issue.	Check AC power connection. Test outlet with another device. If still off, contact support.
'Charging' light does not illuminate.	Incorrect battery connection, battery voltage too low, or reverse polarity.	Ensure correct positive/negative connections. Verify battery voltage is above 3V (for 12V) or 1.5V (for 6V). Re-check voltage selection on charger.

Problem	Possible Cause	Solution
'Fully Charged' light does not illuminate after extended time.	Battery is deeply discharged, battery is sulfated, or battery is faulty.	Allow more time for charging. If still not fully charged, have the battery tested by a professional.
Charger feels warm during operation.	Normal operation.	A slight warmth is normal. Ensure adequate ventilation around the charger. If it becomes excessively hot, disconnect and contact support.

## 9. SPECIFICATIONS

- **Manufacturer:** Battery Tender
- **Model:** 022-0211-DL-WH
- **Input Voltage:** 120V AC, 60Hz
- **Output Voltage:** Selectable 6V DC or 12V DC
- **Output Current:** 1.25 Amps
- **Battery Compatibility:** Lead-acid, Flooded, AGM, Gel Cell
- **Item Weight:** Approximately 1.44 pounds (0.65 kg)
- **Product Dimensions:** Approximately 1.87 x 3.86 x 8.3 inches (4.75 x 9.8 x 21.08 cm)

	 1.25 AMP 6V / 12V Battery Charger & Maintainer	 1.25 AMP 12V Battery Charger & Maintainer	 800mA 12V Battery Charger & Maintainer	 750mA 12V Battery Charger & Maintainer
Amperage	1.25 AMPS	1.25 AMPS	800 mA	750 mA
Voltage	6V / 12V	12V	12V	12V
Battery Compatibility	Lead Acid, AGM, Gel	Lead Acid, AGM, Gel	Lead Acid, AGM, Lithium	Lead Acid, AGM, Gel
	Charges & Maintains	Charges & Maintains	Charges & Maintains	Charges & Maintains
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Image 9.1: A comparison table highlighting the specifications of various Battery Tender models, including the 1.25 AMP 6V/12V charger.

## 10. WARRANTY AND SUPPORT

This Battery Tender product is backed by a **5-Year Industry Leading Warranty**. For warranty claims, technical assistance, or product support, please contact Battery Tender customer service.



For the most current support information, please visit the official Battery Tender website or refer to the contact details provided with your product packaging.