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DUBIHU 48V 15A Golf Cart Battery Charger

DUBIHU 48V 15A Golf Cart Battery Charger Instruction Manual

Compatible with Club Car DS & Precedent Models

1. INTRODUCTION

Thank you for choosing the DUBIHU 48V 15A Golf Cart Battery Charger. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your charger. This charger is designed for 48V lead-acid batteries and is compatible with Club Car DS and Precedent golf cart models from 1995 onwards.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the charger. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the charger is connected to a grounded outlet. Do not operate the charger with damaged cords or plugs. Avoid using extension cords unless absolutely necessary, and ensure they are properly rated for the charger's power requirements.
- **Battery Safety:** Always wear eye protection and gloves when working with batteries. Batteries can produce explosive gases; ensure adequate ventilation. Do not charge frozen batteries.
- **Environmental Conditions:** Use the charger in a dry, well-ventilated area. Protect the charger from rain, moisture, and direct sunlight. Avoid operating in extreme temperatures.
- **Children and Pets:** Keep the charger and golf cart out of reach of children and pets during operation and storage.
- **Modifications:** Do not attempt to open, modify, or repair the charger. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

The DUBIHU 48V 15A Golf Cart Battery Charger is designed for efficient and safe charging of 48V lead-acid batteries in Club Car golf carts. It features intelligent charging technology and a durable design.

Key Features

- **High-Efficiency Charging:** Provides 48V 15A output for faster charging of lead-acid batteries.
- **Smart Charging Technology:** Includes a temperature sensor to adjust charging based on environmental conditions, preventing overcharging and extending battery life.
- **OBC Bypass Function:** Equipped with an Onboard Computer (OBC) bypass wire for compatibility with Club Car DS (1995-2010) and Precedent (2004-2014) models. No modification is required for models manufactured from 2015 onwards.
- **Compact and Durable Design:** Features a robust hard shell for frequent use and protection against impacts.
- **Extended Cable Length:** A 16-foot long cable offers flexibility for charging in various locations.

Component Identification



Figure 3.1: DUBIHU 48V 15A Golf Cart Battery Charger. This image shows the main unit of the charger, including its power input and output cables, and the indicator lights.

CHARGING PROTECTION

Intelligent Charging Technology with Multiple Protections.

“Prevents Overcharge, Overheat, and Short-circuits for Safe Charging.”



temperature
sensor



Short circuit
protection



Overvoltage
protection



Figure 3.2: Charger Safety Features and Indicator State. This image highlights the charger's built-in safety features, including a temperature sensor for optimal charging, short circuit protection, and overvoltage protection. The indicator state shows red for charging below 80% and green for fully charged.

4. SETUP

4.1 Initial Inspection

Before first use, inspect the charger for any visible damage. Ensure all cables and the plug are intact. If any damage is found, do not use the charger and contact customer support.

4.2 OBC Bypass (For Club Car DS 1995-2010 & Precedent 2004-2014)

For Club Car DS models from 1995-2010 and Precedent models from 2004-2014, the golf cart's Onboard Computer (OBC) must be bypassed for this charger to function correctly. The charger includes an OBC bypass wire for this purpose. Follow the instructions provided with the bypass wire for proper installation. For models manufactured from 2015 onwards, no OBC modification is required.

4.3 Connecting the Charger

1. Ensure the golf cart is turned off and the key is removed.
2. Connect the 3-pin round plug of the charger to the charging receptacle on your golf cart. Ensure a secure connection.
3. Plug the AC power cord into a standard 120V AC grounded electrical outlet.
4. The charger will initiate the charging process automatically.



Figure 4.1: Charger Connection. This image illustrates the charger connected to a standard wall outlet and a Club Car golf cart, demonstrating its compatibility and ease of use.

5. OPERATING INSTRUCTIONS

5.1 Charging Process

Once properly connected, the charger will automatically begin charging the golf cart batteries. The intelligent charging technology monitors battery status and adjusts the charging current and voltage as needed to optimize the charging cycle and prevent overcharging.

5.2 Indicator Lights

The charger features an indicator light to display the charging status:

- **Red Light On:** Indicates the battery is charging and is below 80% capacity.
- **Green Light On:** Indicates the battery is fully charged.

The charger is designed to automatically shut off or enter a maintenance charge mode once the battery is fully charged to prevent damage.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DUBIHU charger.

- **Cleaning:** Periodically wipe the charger's exterior with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the cooling vents are free from dust and debris.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid areas with high humidity or extreme temperatures.
- **Cable Care:** Always handle the power cords and charging cables carefully. Avoid bending, twisting, or crimping them. Do not pull the charger by its cables.
- **Battery Terminals:** Keep battery terminals clean and free of corrosion for efficient charging.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not turning on / No indicator lights.	No power from outlet; loose connection; damaged power cord.	Check the power outlet with another device. Ensure all connections are secure. Inspect the power cord for damage.
Charger connected but not charging (Red light not on).	Incorrect OBC bypass (for older Club Car models); battery deeply discharged or faulty; poor connection to golf cart.	Verify OBC bypass installation for compatible models. Ensure the 3-pin plug is fully inserted. Check battery voltage; if extremely low, a specialized recovery charge may be needed.
Charger not shutting off after extended charging.	Battery not reaching full charge; faulty battery; environmental factors (e.g., very cold temperatures).	Allow sufficient time for charging (up to 12-18 hours for a deeply discharged battery). Test battery voltage with a multimeter. Ensure charging in a suitable temperature range. If the issue persists, the battery may need replacement.
Charger gets excessively hot during operation.	Poor ventilation; internal fault.	Ensure the charger is in a well-ventilated area and not covered. If overheating continues, discontinue use and contact support.

8. SPECIFICATIONS

Technical specifications for the DUBIHU 48V 15A Golf Cart Battery Charger:

Feature	Detail
Output Voltage	48 Volts (DC)
Input Voltage	120 Volts (AC)
Current Rating	15 Amps
Product Dimensions (L x W x H)	8.07 x 3.54 x 2.56 inches (205 x 90 x 65 mm)
Item Weight	3.65 pounds
Compatibility	Club Car DS & Precedent Models (1995 onwards)
Cable Length	16 feet



Certified Safety & Quality:
CE, FCC, and RoHS Approved

QUALITY ASSURANCE

“Meets the Highest Standards for Golf Cart Battery Charging.”

Output:	48V 15A
voltage:	110V
size:	205*90*65mm
Protection:	Overcurrent, overvoltage, short circuit



Figure 8.1: Charger Specifications. This image presents the charger alongside a summary of its key specifications, including 48V 15A output, 110V input, dimensions (205x90x65mm), and protection against overcurrent, overvoltage, and short circuit, confirming its adherence to quality standards.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The DUBIHU 48V 15A Golf Cart Battery Charger comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your DUBIHU charger, please contact DUBIHU customer support. Refer to your purchase documentation or the seller's contact information for the most current support channels.