

Husgw 10A

Husgw 12V 10A Battery Charger User Manual

Model: 10A

1. IMPORTANT SAFETY INFORMATION

Please read all safety information and instructions carefully before using the Husgw 12V 10A Battery Charger. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always ensure proper ventilation when charging batteries.
- Do not expose the charger to rain or moisture.
- Avoid charging frozen batteries.
- Keep out of reach of children.
- It is strictly forbidden to charge Ternary Li-ion Batteries or batteries whose charging voltage is not within the specified range (14.2V to 14.9V DC).
- The charger features multiple protections including short-circuit, overcurrent, overheat, low voltage, and reverse polarity protection. However, always ensure correct connection.

MULTI-PROTECTION



Low Voltage
Protection



Short Circuit
Protection



Overcurrent
Protection



Fire
Protection



Automatic Stop
At Full Power



Reverse Conne-
ction Protection



Overheat
Protection



Overvoltage
Protection

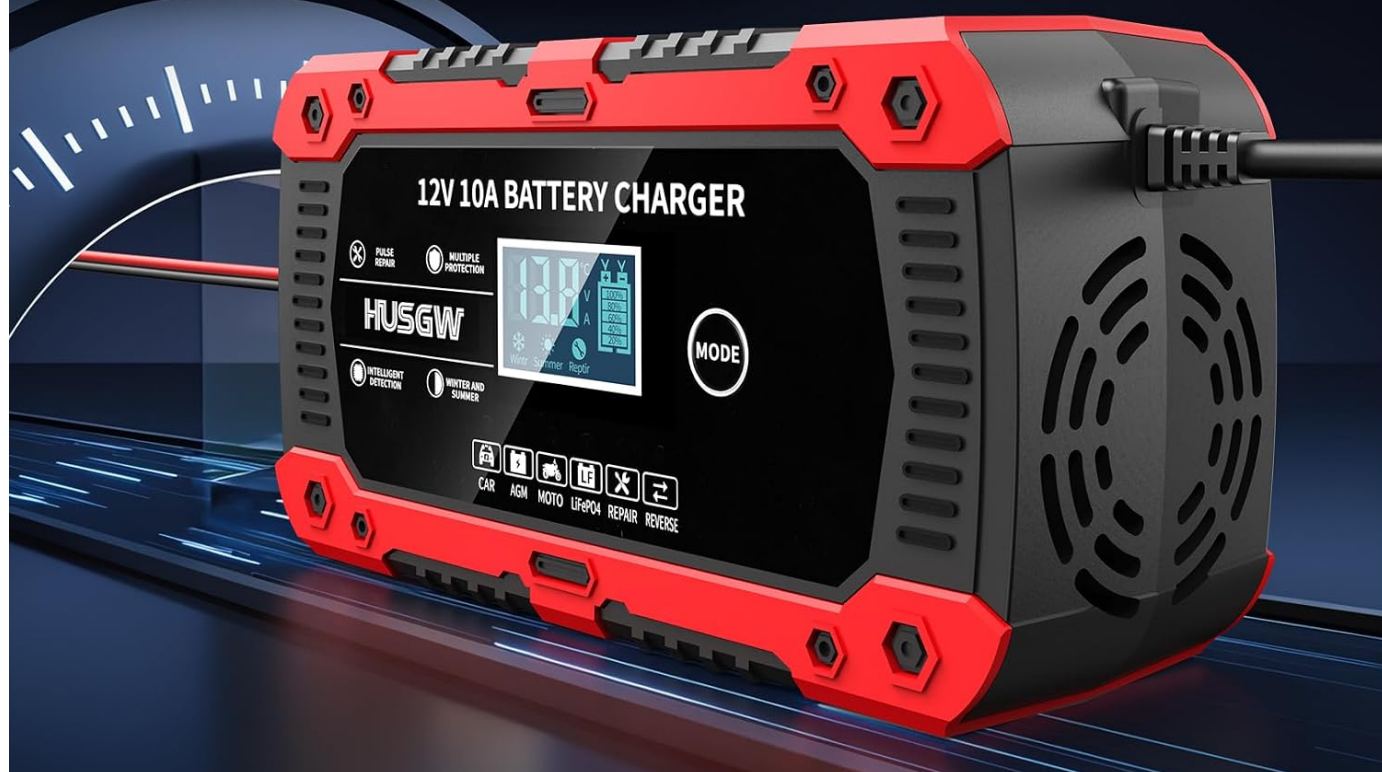


Image: The charger's display showing various protection icons, including low voltage, short circuit, overcurrent, fire, automatic stop, reverse connection, overheat, and overvoltage protection.

2. PRODUCT OVERVIEW

The Husgw 12V 10A Battery Charger is a versatile and intelligent device designed for charging various 12V lead-acid and LiFePO4 batteries. It features an intelligent digital display and multiple charging modes to suit different battery types and conditions.

Intelligent Digital Display

The charger is equipped with an intelligent touch screen display that shows real-time information such as voltage, current, temperature, and charging progress. It also indicates the selected charging mode and any error conditions.

INTELLIGENT DIGITAL DISPLAY

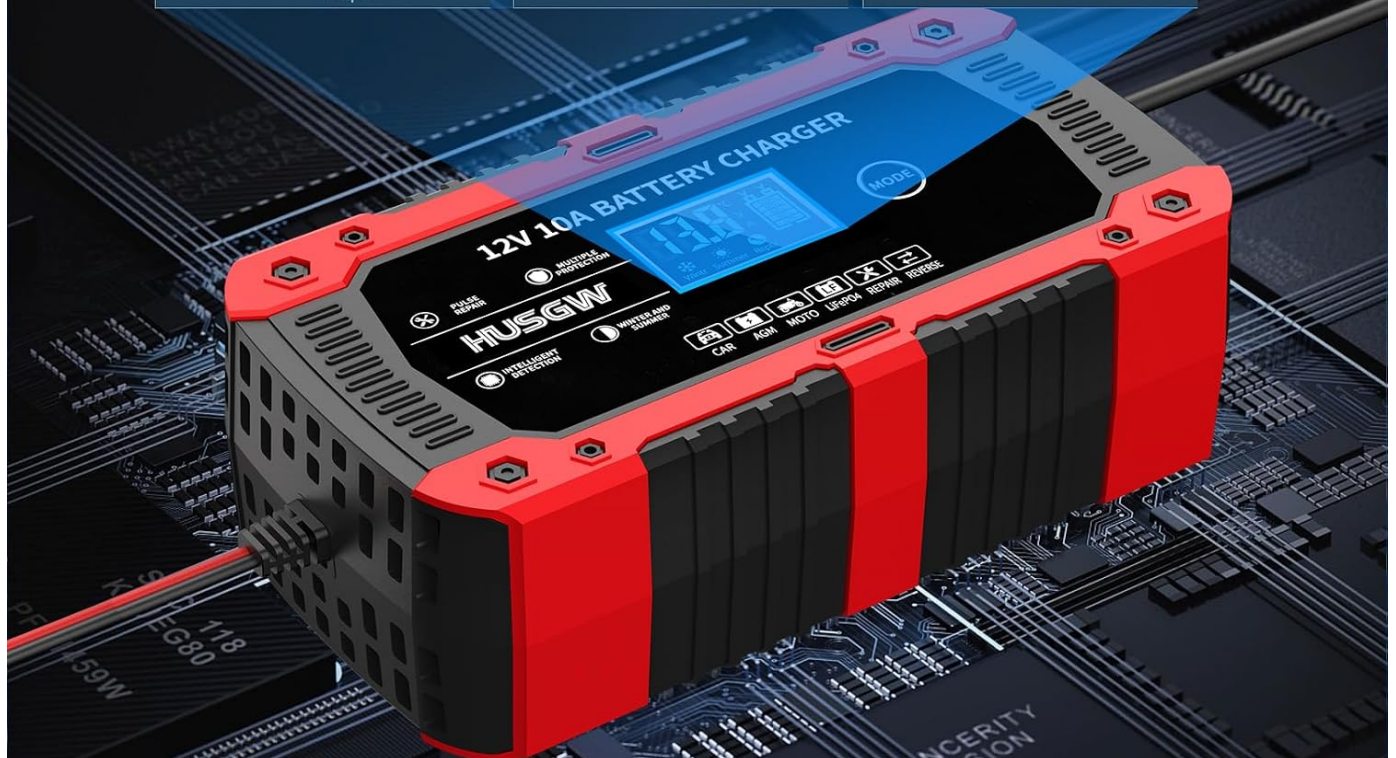


Image: A close-up of the charger's intelligent digital display showing voltage (12.8V), temperature (20.8°C), current (0.0A), repair status (PUL), full charge (FUL), and error (E-H).

Multiple Charging Modes

Easily switch between 6 different charging modes using the touch button for precise charging tailored to your battery type.



Image: A hand interacting with the charger's touch buttons to select between CAR, AGM, MOTO, LiFePO4, REPAIR, and REVERSE modes.

3. SETUP AND CONNECTION

Follow these steps to safely connect and begin charging your battery:

1. **Connect 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.
2. **Power On:** Plug the charger into a suitable AC power outlet. The charger will power on and display the current battery status.
3. **Select Mode:** Press the 'MODE' button to select the appropriate charging mode for your battery type (e.g., CAR, AGM, MOTO, LiFePO4).
4. **Start Charging:** The charger will automatically begin the charging process. Monitor the display for charging status.
5. **Disconnect:** Once charging is complete (indicated by 'FUL' on the display), unplug the charger from the AC outlet first, then disconnect the black negative (-) clamp, followed by the red positive (+) clamp.



Image: Visual guide showing the four steps: 1. Connecting the clamps to the battery, 2. Choosing the appropriate mode, 3. Disconnecting after charging, and 4. Starting the vehicle.

4. OPERATING MODES

The Husgw 12V 10A Battery Charger offers six distinct modes to optimize charging for various battery types:

- **CAR MODE:** For standard 12V lead-acid car batteries.
- **AGM MODE:** Specifically for 12V AGM (Absorbent Glass Mat) batteries.
- **MOTO MODE:** For 12V lead-acid motorcycle batteries.
- **LiFePO4 MODE:** For 12V Lithium Iron Phosphate (LiFePO4) batteries.
- **REPAIR MODE:** For desulfating and restoring deeply discharged or sulfated lead-acid batteries. (See Maintenance section for details)
- **REVERSE:** Indicates reverse polarity connection. The charger will not operate in this state.

Intelligent Detection & Temperature Compensation

The charger automatically detects the battery's power level and stops charging when full. It also features intelligent temperature compensation, adjusting charging voltage and current based on seasonal temperature changes (e.g., winter and summer modes) to ensure efficient and safe charging in any climate.

TEMP COMPENSATION OPTIMIZED FOR ANY CLIMATE



-10°C
Winter

Powerful Charging In Winter



+45°C
Summer

Safety Charging In Summer

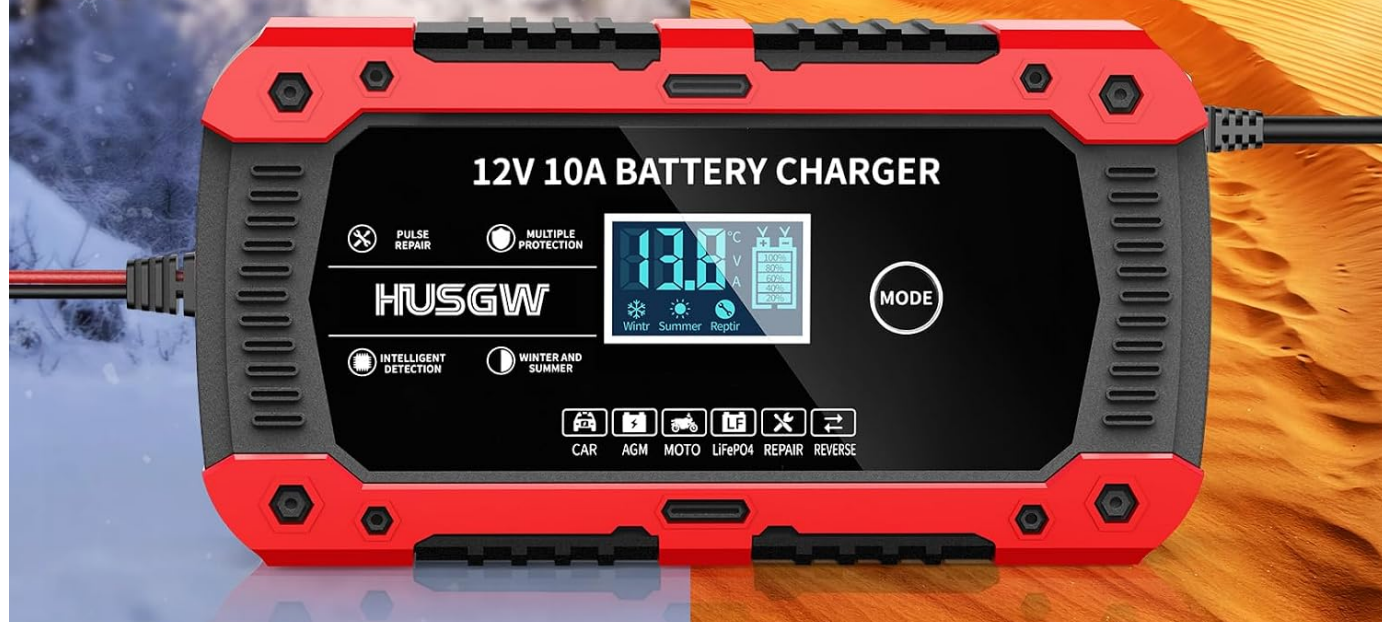


Image: The charger displaying its temperature compensation feature, showing optimal charging for both -10°C (Winter Mode) and +45°C (Summer Mode).

5. MAINTENANCE AND REPAIR FUNCTION

The REPAIR mode is designed to help restore performance to certain lead-acid batteries that have experienced issues such as poor starting force, reduced endurance, or prolonged idle time leading to sulfation.

Using Repair Mode

To use the repair function, connect the charger to the battery as described in the Setup section, then select 'REPAIR MODE' using the mode button. The charger will initiate a pulse repair process.

Important Notes on Repair Mode:

- The repair function cannot activate a completely dead battery (e.g., below 4V).
- It cannot repair severely damaged batteries or restore a 100% new battery condition.

- Results may vary depending on the battery's condition and age.

BATTERIES BACK TO LIFE

Restores LOST Performance



1

POOR STARTING
FORCE

2

REDUCED
ENDURANCE



3

LONG IDLE
TIME

4

OLD BATTERY



Image: The charger with visual examples of battery problems it can help address: poor starting force, reduced endurance, long idle time, and old batteries.

6. TROUBLESHOOTING

If you encounter issues with your Husgw 12V 10A Battery Charger, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger does not turn on.	No power from outlet; loose connection.	Check power outlet and ensure charger is securely plugged in.

Problem	Possible Cause	Solution
Display shows 'E-H' or error code.	Reverse polarity; short circuit; battery fault.	Check clamp connections for correct polarity. Inspect battery for damage. Disconnect and reconnect.
Charger stops prematurely or doesn't reach 100%.	Battery is severely damaged; incorrect mode selected; internal fault.	Ensure correct mode is selected. Try REPAIR mode for lead-acid batteries. If issue persists, battery may be beyond repair.
Charger gets hot during operation.	Normal operation; poor ventilation.	Some heat is normal. Ensure adequate ventilation around the charger. If excessively hot, disconnect and contact support.

The charger is equipped with an enhanced cooling system to dissipate heat quickly and ensure safe charging.

7. SPECIFICATIONS

Feature	Detail
Brand	Husgw
Model Number	10A
Color	Black and Red
Input Voltage	12 Volts
Output Voltage	12 Volts
Current Rating	10 A
Dimensions (L x W x H)	23P x 13l x 7H centimeters (approx.)
Compatible Battery Types	Lead-acid (CAR, AGM, MOTO), LiFePO4
Safety Certifications	CE
Number of Ports	1

12V 10A CORRESPONDING UNIVERSAL BATTERY



Image: The charger compatible with various applications including cars, motorcycles, boats, tractors, lawnmowers, and LiFePO4 battery packs.

8. WARRANTY AND SUPPORT

Manufacturer's Warranty

This product comes with a manufacturer's warranty of 30 days. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty claims, please contact Husgw customer service. Our after-sales service team is available to assist you.

Contact information can typically be found on the product packaging or the retailer's website where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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