

## TEISQI 574b5009-f2a4-4931-a204-312e4f6e388b

# TEISQI 12V 6A Smart Battery Trickle Charger Instruction Manual

Model: 574b5009-f2a4-4931-a204-312e4f6e388b

## 1. INTRODUCTION

Thank you for choosing the TEISQI 12V 6A Smart Battery Trickle Charger. This device is designed to charge and maintain 12-volt lead-acid batteries, including AGM, GEL, SLA, and Flooded types, commonly found in cars, trucks, SUVs, motorcycles, lawn mowers, and marine vehicles. It features intelligent pulse repair, temperature compensation, and multiple protection functions to ensure safe and efficient battery care.

## 2. IMPORTANT SAFETY INFORMATION

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

- **Eye Protection:** Always wear eye protection when working with batteries.
- **Ventilation:** Ensure adequate ventilation when charging batteries to prevent the accumulation of explosive gases.
- **Flammable Materials:** Keep the charger and battery away from open flames, sparks, and flammable materials.
- **Reverse Polarity:** Ensure correct polarity connections (red to positive, black to negative) to prevent damage to the charger and battery. The charger has reverse protection, but caution is always advised.
- **Water Exposure:** Do not expose the charger to rain or excessive moisture.
- **Damaged Cables:** Do not operate the charger with damaged cords or clamps. Replace immediately if damaged.
- **Children:** Keep out of reach of children.
- **Lithium Batteries:** This charger is designed for lead-acid batteries only. Do NOT use with lithium batteries.

### 3. PRODUCT OVERVIEW AND FEATURES

The TEISQI 12V 6A Smart Battery Trickle Charger is an all-in-one solution for battery charging, maintenance, and desulfation. Its intelligent design ensures optimal performance and safety.



Figure 1: TEISQI 12V 6A Smart Battery Trickle Charger with LCD display and control buttons.

#### Key Features:

- **6-Amp Quick Charger:** Efficiently charges 12-volt lead-acid batteries (AGM, GEL, SLA, Flooded) for various vehicles.
- **High-Efficiency Pulse Repair:** Automatically detects battery sulfation and acid stratification, using pulse repair to restore lost battery performance. *Note: Cannot activate or charge totally dead batteries.*
- **Plug and Play Operation:** Simple connection and automatic charging.
- **Visualized Charging:** Large LCD display shows charging status, voltage, current, internal temperature, charge percentage, and selected mode (Summer/Winter).
- **Float/Trickle Charge:** Maintains batteries over extended periods, ideal for winter storage.

- **Winter/Holiday Battery Housekeeper:** Smart control with temperature compensation for hot or cold climates, reverse protection, cooling system, overcurrent, fireproof material, overcharge, and short circuit protection.

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*Video 1: Overview of the TEISQI Car Battery Charger, demonstrating its compact size and key features.*

## 4. SETUP AND CONNECTION

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Follow these steps to safely connect your TEISQI battery charger to a 12V lead-acid battery.

1. **Prepare the Battery:** Ensure the battery terminals are clean and free of corrosion. If necessary, clean them with a wire brush.
2. **Connect the Red Clamp:** Attach the red (+) clamp of the charger to the positive (+) terminal of the battery.
3. **Connect the Black Clamp:** Attach the black (-) clamp of the charger to the negative (-) terminal of the battery.
4. **Plug in the Charger:** Once the clamps are securely attached to the battery, plug the charger's power cord into a standard 110V AC power outlet.

# SIMPLE OPERATION METHOD

CONNECT THE BATTERY PLUGGED INTO THE POWER SUPPLY TO SELECT A GOOD MODE, CAN BE AUTOMATICALLY CHARGED

## 1 CONNECTING BATTERY CLAMPS

RED CLIP ON POSITIVE BATTERY TERMINAL  
BLACK CLIP FOR NEGATIVE BATTERY



## 2 TURN ON THE HOME POWER

PLUG THE PLUGGED END OF THE CHARGER INTO A HOUSEHOLD POWER SOURCE

## 3 SELECTION MODE

CHOOSE THE RIGHT MODE FOR YOUR NEEDS  
PHYSICAL BUTTONS HAVE NO STUTTERING



Figure 2: Visual guide for connecting the charger clamps to a car battery and plugging into a power source.

The charger will automatically detect the battery voltage and display the current status on the LCD screen.

## 5. OPERATING INSTRUCTIONS

The TEISQI charger offers various modes for different battery types and charging needs. Use the "MODE" button to cycle through the options.

### Mode Selection:

- **CAR/TRUCK Mode:** For standard 12V automotive batteries.
- **AGM/GEL Mode:** For AGM and GEL type 12V batteries.
- **MOTORCYCLE/TRICKLE Mode:** For smaller 12V batteries (e.g., motorcycles, lawn mowers) and for long-term maintenance (trickle charging).

- **PULSE REPAIR Mode:** To attempt to restore sulfated or acid-stratified batteries. This process can take 6-10 hours.

# INTELLIGENT REPAIR ACTIVATION BATTERY

SOLVE PROBLEMS SUCH AS BATTERY DEPLETION, INABILITY TO CHARGE, AND HIGH INTERNAL RESISTANCE USING HIGH AND LOW FREQUENCY PULSE TECHNOLOGY, MAKE YOUR BATTERY LOOK BRAND NEW



12V Intelligent Pulse Repair Charger

TEISQI

6.00

12V 2Ah-100Ah

MODE

PULSE REPAIR

WINTER/SUMMER

MULTIPLE PROTECTION

INTELLIGENT DETECTION

CAR/TRUCK

AGM/GEL

MOTORCYCLE TRICKLE

PULSE REPAIR



Poor starting force

Reduced battery life

Long idle time

Old batteries

Figure 3: The charger's LCD display indicating various charging modes and battery status.

### Temperature Compensation:

The charger automatically detects ambient temperature and adjusts the charging voltage accordingly. This ensures optimal charging performance in both hot (Summer Mode) and cold (Winter Mode) conditions, prolonging battery life.

# TEMPERATURE DETECTION FOR WINTER AND SUMMER CHARGING

THE MICROCOMPUTER AUTOMATICALLY RECOGNIZES THE AMBIENT TEMPERATURE BASED ON THE SEASON  
GIVE YOU THE APPROPRIATE CHARGING VOLTAGE FOR YOUR BATTERY,  
SUFFICIENT CHARGING IN WINTER, INSUFFICIENT CHARGING IN SUMMER, PROLONGING BATTERY LIFE



Figure 4: Display illustrating the automatic temperature detection and adjustment for Summer and Winter charging modes.

## Charging Process:

1. After connecting and plugging in, the charger will automatically begin charging.
2. Select the appropriate mode using the "MODE" button.
3. The LCD will display charging progress, voltage, current, and temperature.
4. When the battery is fully charged, the screen will display "FUL" and the charger will switch to float/trickle charge mode to prevent overcharging.

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Video 2: Demonstration of the TEISQI 12V battery charger in action, showing the display and connection to a battery.

## 6. MAINTENANCE

Proper maintenance ensures the longevity of your charger and the batteries it serves.

- **Cleanliness:** Keep the charger clean and free from dust and debris. Use a dry cloth for cleaning.
- **Storage:** Store the charger in a cool, dry place when not in use.
- **Cable Inspection:** Regularly inspect the power cord and battery clamps for any signs of damage. Do not use if damaged.
- **Battery Terminals:** Ensure battery terminals are clean before connecting the charger for optimal contact.
- **Long-Term Storage:** For vehicles stored for extended periods, use the MOTORCYCLE/TRICKLE mode to maintain the battery's charge.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not turning on.	No power from outlet; loose connection; damaged cord.	Check power outlet; ensure secure connections; inspect cord for damage.
"FUL" displayed immediately.	Battery is already fully charged.	No action needed, the charger is in maintenance mode.
Charging not progressing.	Incorrect mode selected; severely discharged battery; faulty battery.	Select correct mode; try Pulse Repair mode (if applicable); battery may need replacement.
Error message/indicator.	Reverse polarity; short circuit; over-temperature.	Check clamp connections; ensure no metal contact; allow charger to cool down.

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*Video 3: A general demonstration of the car battery charger, showing its functionality and ease of use.*

## 8. SPECIFICATIONS

Feature	Detail
Brand	TEISQI
Model Number	574b5009-f2a4-4931-a204-312e4f6e388b
Product Dimensions	5.78"D x 3"W x 2.4"H
Item Weight	0.99 Pounds
Output Voltage	12 Volts
Input Voltage	110 Volts (AC)
Battery Charge Time	10 Hours (typical)

Feature	Detail
Current Rating	6 Amps
Cooling	Fan
Scope of Application	12V 2Ah-100Ah Lead-Acid Batteries (AGM, GEL, SLA, Flooded)

## 9. WARRANTY AND SUPPORT

**Warranty:** This product comes with a two-year warranty. Please refer to the original purchase documentation for specific terms and conditions.

**Support:** For technical assistance, troubleshooting, or warranty claims, please contact TEISQI customer support through your retailer or the official TEISQI website. Have your model number and purchase details ready.