EN

USER MANUAL
BATTERY CHARGER HT8G613

The device can only be repaired by qualified personnel. Keep all persons, especially children, away from the device while operating.

ELECTRIC SHOCK may cause death

Touching live electrical parts may cause electric shock. The input power circuit and internal circuits of the charger are electrified when the power is turned on.

Do not touch live electrical parts.
Use dry insulating gloves and body protection measures.
- Disconnect input power before servicing the charger.
- Frequently check if the power cable has not been damaged or exposed – not insulated cables can cause death.
- Turn off the power when the device is not in use.
- Do not use worn, damaged or wrongly connected cables.
- Do not wrap the cables around your body.
- Before touching any part, turn off charger power supply, disconnect the input power as instructed in the maintenance section.

CHARGING may cause fire.

Hot parts can cause fire and burns. Before charging, please check and make sure the surrounding is safe.

WARNING: Please be aware that lead-acid batteries generate flammable, explosive gases during charging and starting the engine. Do not charge the batteries near an ignition source, sparks, open flames or a heat source. Do not smoke. If you feel gas at any time while charging the battery, DO NOT disconnect the clamps. Instead, make sure windows or doors are open in order to provide maximum ventilation.
- Please read manufacturer's instructions before charging battery
- DO NOT let solvents such as paint thinner, gasoline or detergents contact with the battery compartment
- Unless the battery is of the ‚maintenance-free' type, always check if the electrolyte level is correct before charging
- Always check if the battery type (STD, AGM, CAL) and capacity (Ah) are compatible with the charger
- Remove metal jewellery before working with lead-acid batteries
- Always use protective gloves and goggles when working with lead-acid batteries
- To prevent sparking, do not wear synthetic fibre clothing that can accumulate static electricity
- Never use this charger to charge non-rechargeable or other batteries for which this charger is not intended
- Use this charger in completely dry conditions
- Never try to charge a frozen battery
- Do not attempt to charge a battery that is leaking, cracked or otherwise damaged
- If the power cable of charger is damaged, it must be replaced by the manufacturer, manufacturer service agent or a similarly qualified person in order to avoid a hazard
- Charge the batteries in a well-ventilated area with continuous airflow, such as open doors or windows
- Provide at least 5 m of free space around the charger to ensure proper ventilation
- This charger is designed to charge one battery
- Always keep the batteries in a stable, upright position when charging
- Place the charger as far away from the battery as the charging cables allow
- Always turn off power before making or disconnecting battery terminal connections
- Do not let any metal objects come into contact with the battery terminals
- Do not allow the positive and negative terminals of the cables to contact each other
- If the battery does not charge or it shows abnormal performance, dispose and replace it
- After charging or intensive use, wait 15 minutes to cool down batteries
- If battery acid comes in contact with skin or clothing, wash thoroughly with soap and water
- If battery acid gets into your eyes, rinse them thoroughly with clean water and seek medical treatment
- Keep the charger and batteries clean; foreign objects or dirt can cause a short circuit.

Failure to follow these instructions may result in overheating or fire

GENERAL DESCRIPTION

- The chargers are designed for 12V lead-acid, gel, AGM, MF and CAL batteries.
- Do not use them for any other purpose.
- Chargers are a source of DC charging.
- The charger is a single-phase 230V device and it is designed to charge both batteries and 12V. Output current 2A / 8A / 15A.

- The charger control is placed on the panel for easy operation.
- The chargers have a 9-function diagnostic, protection and recovery program which is fully automatic when the connected battery requires it. This feature extends battery life.

- Battery regeneration - the device detects sulfation and uses pulsed current and voltage to remove sulfate from the battery plates, restoring its capacity.
- Automatic switch-off - after charging, the device switches to maintenance mode, which protects the battery against overcharging.
- Short-circuit protection - in case of improper connection of the clamps or changing the polarity, the indicator lights up, and the device protects the vehicle's electronic systems and does not cause sparks.
- Overheating protection - in the event of excessive heating of the device, the charging current is automatically reduced or it is completely suspended until the device cools down. Charging will restart automatically.

CONNECTING

- Make sure that the mains voltage is single-phase, 230V, 50Hz.
- Connect the positive terminal of the battery to the cable (+ red) of the charger.
- Connect the negative terminal of the battery to the cable (- black) of the charger.

CHARGING

Press the mode button to select the charging mode according to the battery needs.
Charging will start automatically after a few seconds.
When charging is complete, the display will show „FULL" and the charger will switch to maintenance mode.

CURRENT	Change of charge rate between 2A / 8A / 15A by pressing the button. Settings can be changed while charging.
BATTERY TYPE	Change of the battery type between STD / AGM / CAL by pressing the button. Settings can be changed while charging.
AMP	After pressing, the actual AMP charge current will be displayed on the LCD screen.
VOLT	After pressing, the actual V charge voltage will be displayed on the LCD screen.
RECON	The button starts the repair (desulphurisation) process of the battery. If repair is impossible, the icon will appear on the display . While the repair is in progress, the rest of the buttons do not work.
	• Battery charge status indicator.
	• No connection • Loose connection • Reverse polarity • Check if the terminals are properly and correctly connected.
	The battery is in poor condition and it may need to be replaced. • High voltage: You can choose the wrong voltage, for example, you can charge 12V battery in 6V mode or 24V battery in 12V mode.
	High temperature

MAIN TECHNICAL SPECIFICATIONS

Input voltage	single-phase, 230VAC±10%
Frequency	50/60 Hz
Charger type	9 function
Output current	2A/8A/15A
Rated output voltage:	12V
Battery types	12V lead-acid (WET, AMG, MF, CAL)
IP rating	IP 20

With minimal maintenance, this battery charger will provide years of reliable service. Follow these simple steps to keep the charger in optimal condition: Clean the charger terminals after each use - all fluids and grease should be removed. Clean outer casing of the charger with a soft cloth and mild soap solution if necessary. Keep charger cables loosely coiled during storage to prevent damage.

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