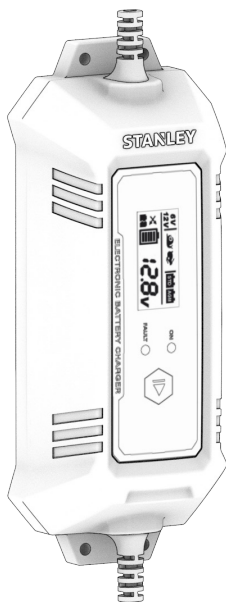


STANLEY®

SXAE00025 **SXAE00025GB** **Battery charger 6/12V - 4A**



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EN - English

Instructions for use

1. CAUTION

PLEASE READ THE INSTRUCTIONS AND SAFETY GUIDELINES CAREFULLY BEFORE USE. KEEP THESE INSTRUCTIONS.

This manual will explain how to use the unit safely and effectively. Please read and follow these instructions and precautions carefully.



1.1. IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions.



WARNING: Only use the charger to recharge 6V or 12V rechargeable lead-acid batteries. Do not use it for any other purpose. Do not use with non-rechargeable batteries. This charger is designed for use only with a supply voltage of 220V-240V, 50/60Hz circuit.

The charger is suitable for indoor use only, in a well-ventilated area and on a flat surface.



RISK OF ELECTRIC SHOCK OR FIRE.

1. Keep out of reach of children.
2. This charger is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the charger by a person responsible for their safety.
3. The charger must be kept in a dry area away from liquids. Do not expose the charger to rain or snow.
4. Use only recommended attachments. Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock or injury to persons or damage to property.
5. Connect and disconnect charging connectors (clamps, eyelets, cigarette lighter plug...) only after removing AC cord from the mains.
6. Never pull on the AC cord to remove the AC plug from the mains. This may damage the cord or the plug.
7. Unplug the charger from the outlet before attempting any maintenance or cleaning.
8. Do not operate the charger with a damaged mains cable or output lead; have the damaged part replaced immediately by a qualified service person.
9. Do not disassemble the charger; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
10. Never put the charger on top of the battery while charging it.
11. Do not attempt to charge a damaged battery.

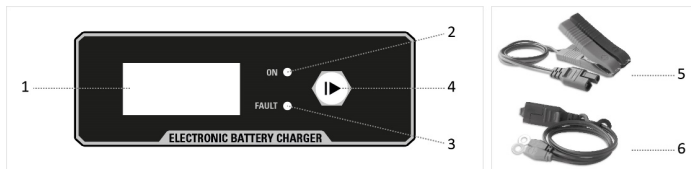
1.2. PERSONAL PRECAUTIONS



RISK OF EXPLOSIVE GASES. A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION.
RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.

1. Explosive gases can be emitted during the charging duration.
2. NEVER smoke or allow a spark or flame in the vicinity of a battery.
3. Never charge a frozen battery.
4. Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.
5. Be extra cautious, to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit the battery or other electrical part that may cause an explosion.
6. To prevent sparking, NEVER allow clamps to touch together or contact the same piece of metal.
7. Wear protective clothes, gloves and goggles to use the charger. Avoid touching your eyes while working near the battery.
8. If battery acid contacts your skin or clothing, immediately wash the area with soap and water. If acid enters your eye, immediately flood the eye with cold running water for at least 10 minutes and get medical attention right away.
9. If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.
10. Read, understand and follow all instructions for the charger, battery, vehicle and any equipment used near the battery and the charger.
11. Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage of the charger is correct.








2. Description



1. Display - Control panel
2. Power LED - Green: the charger is connected to the AC power (mains).
3. Fault LED - Red: there is an issue with the battery. Check the error indication on the display.
4. Selection push button to choose the charging parameters on the control panel.
5. Output lead: Cable with clamps 30A - Ref: SXAE00029.
6. Output lead: Cable with rings 6mm and protective, insulating, watertight cap.

2.1. Control panel

Display	Description
6V	Mode for 6V battery.
12V	Mode for 12V battery.

	Charging current for batteries: from 4Ah to 30Ah. Maintenance mode for batteries: from 4Ah to 70Ah.
	Charging current for batteries: from 30Ah to 80Ah. Maintenance mode for batteries: from 30Ah to 120Ah.
	Type of battery: Mode for charging WET or GEL batteries.
	Type of battery: Mode for charging AGM-START&STOP, AGM-SPIRAL or WET batteries with temperatures below 5°C.
	Reverse polarity: the positive and negative terminals of the outlet lead are not connected correctly to the battery.
	Issue with the battery.
	Battery charge level.
88.8v	Shows the battery voltage, charging voltage, "FUL" when battery is charged and error indication when issue with battery.

2.2. Technical specifications

Reference	SXAE00025 / SXAE00025GB
Model	Charger 6/12V-4A
Voltage (Mains)	220~240V AC 50/60Hz
Charging voltage	6V / 12V
Charging current	1A / 4A
Battery size	4Ah to 120Ah batteries
Operating temperature	-10° to +40°C
Storage temperature	-20° to +50°C
IP indication	IP65
Minimum battery voltage	0,8V

2.3. Battery types

This electronic battery charger is designed to charge all types of lead batteries, conventional batteries and batteries of the latest generation. This battery charger is ideal for both everyday use, as a key working tool, and extensive charging cycles. All charging parameters are set using the charge function key on the control panel.

2.4. Charge cycles

The charge cycles of the battery charger have been specially developed to optimize the charge of all types of batteries currently available in the market. The numerous constructional technologies of currently available batteries require different charging curves to ensure correct and complete charging. This battery charger extends the lives of your batteries because it provides each with the proper charge cycle.

2.5. Interruption of the charge cycle

In case of blackouts in the 230V mains, the battery charger saves the work cycle it was performing in order to restore it automatically as soon as the power supply of the 230V mains is restored. This function is crucially important if the battery charger is used to charge batteries without the operator supervising the cycle; for example, during very long work cycles (maintenance charges) or when charging overnight (charges for vehicles that need to be charged daily). The set parameters are stored for 12 hours; after 12 hours the battery charger will resume charging with the default parameters.

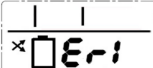
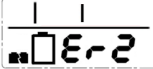
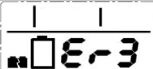
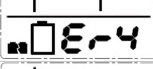

2.6. Safety devices

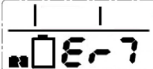


The battery charger is equipped with safety devices to ensure the utmost safety during use and operation.

- Full protection against sparks
- Protection against short-circuits
- Voltage compensation
- Protection against overheating
- Protection against polarity reversal
- High protection rating against external agents, IP65

2.7. Battery tests and error indications

The battery charger is designed to determine the battery's condition before and while charging, and inform about any connection faults between the battery charger and the battery to charge. An error code can be viewed on the digital display, which allows the fault to be quickly and simply checked out.

Display indication	CAUSE	SOLUTION
	The clamps/rings of the output lead are not connected correctly to the battery. Polarity reversal.	Position the clamps/rings correctly and start charging the battery again.
	Battery voltage too high. You are attempting to charge a 24V battery with the charger settled at 12V or you are attempting to charge a 12V battery with the charger settled at 6V.	Check the battery voltage.
	The battery may be defective.	Contact your battery service center.
	Battery cannot maintain a good level of charge.	The battery may be defective. Contact your battery service center.
	Battery unrecoverable after a complete desulfurization cycle.	The battery may be defective. Contact your battery service center.

	Battery capacity excessive.	Use battery charger with greater charging capacity.
	Battery voltage too low (under 0.8V). Battery cannot be charged.	The battery may be defective. Contact your battery service center.
	Leads disconnected, leads short-circuited.	Position the clamps/rings correctly and start charging the battery again.
	Battery completely short-circuited.	The battery may be defective. Contact a battery service center.

3. Instructions manual



Turn OFF ignition (heating, lighting...) before using the charger when battery is installed in the vehicle.

Clean the battery terminals before using the charger.



3.1. Charging a battery

1. Before connecting the charger: make sure that the power supply lead is not plugged into the mains !

2. Connection to the battery

Check first if the negative terminal is connected/grounded to the chassis. If not, contact your reseller.

Connect the outlet cable to the charger.

▪ **Output cable with clamps**

Connect the red clamp (+) to the positive terminal (+) of the battery, then connect the black clamp (-) to the earth/chassis of the vehicle (a heavy gauge metal part of the frame or engine block. Do not connect to the carburetor or fuel lines).

▪ **Output cable with rings**

Loosen and remove each nut from the bolts at the battery terminals. Connect the positive ring (+) to the positive terminal (+) of the battery, then connect the negative ring (-) to the negative (-) terminal of the battery. Replace and tighten back the nuts to secure them.

In both cases: make sure that the charger outlet lead make tight connections.











3. Connection to the mains

Plug the power supply lead of the battery charger into the mains.

The power LED "ON" is lighting up green = "Stand by" mode.

4. Selection of the charging mode

Press the button once to activate the unit, and then choose the charging parameters, for the type of battery and the charging current, on the control panel by pushing the selection push button when the icon appears. The charging process will start automatically (after this, it will be not possible to change the settled parameters). Different possibilities:

Voltage	Current	Type	
12V			Charge for 12V batteries: 4Ah to 30Ah. Maintenance charge for 12V batteries: 4Ah to 70Ah. Suitable for charging WET or GEL batteries.
12V			Charge for 12V batteries: 30Ah to 80Ah. Maintenance charge for 12V batteries: 30Ah a 120Ah. Suitable for charging WET or GEL batteries.
12V			Charge for 12V batteries: 4Ah to 30Ah. Maintenance charge for 12V batteries: 4Ah to 70Ah. Suitable for charging AGM-START&STOP and AGM-SPIRAL or WET batteries with temperatures below 5°C.
12V			Charge for 12V batteries: 30Ah to 80Ah. Maintenance charge for 12V batteries: 30Ah to 120Ah. Suitable for charging AGM-START&STOP and AGM-SPIRAL or WET batteries with temperatures below 5°C.
6V			Charge for 6V batteries: 4Ah to 30Ah. Maintenance charge for 6V batteries: 4Ah to 70Ah. Suitable for charging WET or GEL batteries.



5. End of charging

Unplug the AC power supply lead of the charger from the mains.

6. Disconnect the output lead

Disconnect first the negative outlet lead from negative (-) terminal of the battery or from the earth/chassis, then the positive outlet lead of the positive (+) terminal.

3.2. Charge indicators description

	The battery is charging.
	The battery is fully charged (100%); the battery charger will switch to the maintenance step, keeping the state of efficiency of the battery constantly monitored, so that it is always at an optimal level of charge. The green LED is steadily on and the display will show the word FUL .

3.3. Storage

- The charger is made of insulating material and can be wall-mounted.
- When the battery charger is not being used, it must be stored in a dry place to protect it against humidity. Disconnect the battery charger and use a soft cloth to clean its outer casing.

4. Warranty

Schumacher Europe, Belgium, offers a limited warranty for the benefit of the original purchaser of this product. The warranty is not transferable. The warranty applies to manufacturing and material faults during a two-year period from the date of purchase. To benefit from the guarantee, the purchaser is required to return the device with proof of purchase to the place of purchase. The devices on which will have been seen any abuse, improper use or improper handling or modifications, as well as entrusting the device to be repaired to third parties other than authorized representatives will void the warranty.

Schumacher Europe gives no other guarantee than this limited warranty and expressly excludes all implied warranties, including warranties against indirect damage. Schumacher Europe is not bound by any other guarantee which exceeds the scope of this limited warranty.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.