



SWMCD10

6/12V 10Amp - Digital Smart Battery Charger

6V - 2A charge for batteries between 2Ah-30Ah &
12V - 2A charge for batteries between 2Ah-30Ah &
12V - 10A charge for batteries between 30Ah-120Ah.



Read and understand these instructions before attempting any operation of this battery charger and retain for future reference!

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INTENTION FOR USE

Thank you for purchasing this 6V/12V 10Amp - Digital Smart Battery Charger from Streetwize.

The battery charger is intended for charging 6V or 12V batteries found in cars, boats, lorries and motorcycles.

This battery is compatible for charging the following battery types:

- Wet batteries (WET)
- EFB batteries (Enhanced Flooded Battery)
- Lead-acid batteries (liquid electrolyte)
- Gel batteries (gel-type electrolyte)
- AGM batteries (electrolyte inside absorbed glass matt)

Please do not charge any other type of battery that is not listed above.












This battery charger can be directly connected to the batteries using the clamps.

Please keep away from children.

Any other use or modification of the device is considered improper and involves significant risks. The manufacturer assumes no liability for damages due to improper use.

Before using this product, we highly recommend that you read through and understand this document so you become familiar with the operating instructions, safety guidelines and this battery charger's function, and retain the document for future reference.

EXPLANATION OF SAFETY WARNINGS

Symbol	Explanation	Symbol	Explanation
	Refer to the operator's manual.		Wear safety glasses.
	Hazard to children. Risk of harm or fatal injury to children.		Wear safety gloves.
	Attention. Please follow safety instructions and warnings.		Risk of chemical burns.
	Danger of electric shock.		Risk of explosion.
	For indoor/undercover use ONLY.		Risk of fire.
	Dispose packaging in the correct & environmentally-friendly manner.		

HEALTH & SAFETY GUIDELINES

General Safety Guidelines

Before using this battery charger, please read all the guidelines and instructions. Any non-compliance to the safety guidelines and instructions can cause electric shock, fire and / or serious injury.

Keep these guidelines and instructions for future reference.

Warning!



This product is not a toy and should not be used by children. Never leave children unsupervised with the packaging material due to risk of suffocation. Do not allow children to play with the cables – strangulation risk. Do not allow children to play with the components or fasteners, as they could be swallowed and result in suffocation.

The manufacturer is not responsible for damages caused by:

- Improper connection or misuse.
- External damage to the device and / or damage to parts of the device due to mechanical impact or overload.
- Any kind of modification to the device.
- Use of the charger for purposes which have been described in this document.
- Defective or frozen batteries
- Moisture
- Poor ventilation.
- Unauthorised opening of the device.

Any of the above reasons will automatically void the guarantee.

Risk of chemical burns



- Batteries contain acid, which can cause damage & harm to the eyes and skin.
- Charging batteries could generate gases and vapours that are hazardous to health.
- Avoid any contact with the battery acid. If you do, for any reason, come in contact with the battery acid, thoroughly flush skin with water immediately. If eyes have come into contact with battery acid, flush eyes with running water at least 5 minutes and immediately contact a medical professional.
- Always use safety goggles and acid-proof safety gloves. And wear protective clothing, e.g. apron or overall.
- Never tip the battery as this causes acid may leak.
- Always ensure there is adequate ventilation when using the charger.
- Do not inhale any gases or vapours that may come about from charging.

Explosion and fire hazard



- Hydrogen gas may form when charging the battery. If this gas gets in contact with open fire (flame, embers, sparks) may result in an explosion. Please ensure the area is free from open fire when using this battery charger.
- Always ensure sufficient ventilation.
- Always check to see if the correct Voltage LED appears on the charger. It should match the Voltage of the battery that you are charging.
- Only connect and disconnect the battery connecting cables when the charger is disconnected from the mains.
- Never cover the device when in use as this may lead to damage from extreme heat generated from the charger.
- If you notice smoke or an unusual odour, immediately stop using the device.
- Do not use the charger close to where there are substances that are explosive or flammable stored nearby (e.g. petrol or solvents).

Risk of electrical shock



- The charger may interfere with the operation of any active electronic implants. This includes pacemakers. Hence, posing a personal hazard.
- Ensure no water or any other liquid gets in contact with the charger. Water is highly conductive, and poses an electrically risk.
- Ensure that all plugs and cables are free of moisture.
- Never connect the device to the mains with wet or moist hands.
- Never touch both terminals at once when the device is in use.
- Unplug from mains before connecting or disconnecting the charging cable to/from the battery, or when the device is no longer being used.
- Remove all device cables from the battery before attempting to drive your vehicle.
- Always unplug the device by the plug, and not the cable. This prevents the cable being damaged.
- Do not use the device if it is damaged. Any damage to the power cable, the device or the charging cables increase the risk of electrical shock.
- Do not attempt to disassemble or repair the device. Please take the defective charger to a specialist for repair.
- Never allow the two connectors from the charging cable to touch each other when the mains is connected and switched on. This risks a short circuit.
- Make sure you do not connect the connectors or the battery poles through conductive objects (e.g. tools).
- Never use the cable to carry or pull the device.

Risk of injury



- Never attempt to charge non-rechargeable, damaged or frozen batteries.
- Do not use this device to charge dry cell batteries. This could lead to a burst and will result in personal injury and property damage.

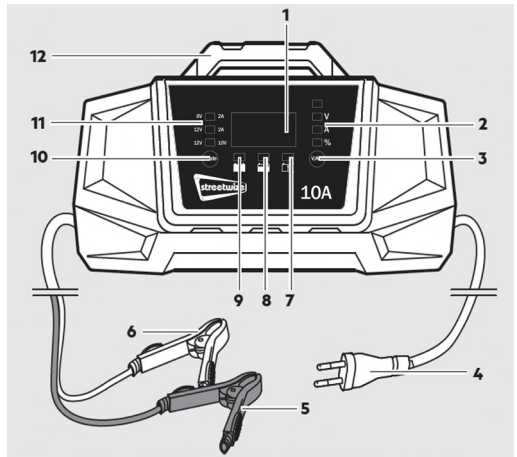
Risk of damage

- Never place the charger over or near the battery to be charged. Gases from the battery could damage the unit. Place the device as far from the battery as the connecting cables will allow.
- Never operate the device if it has been dropped or damaged in any other way. For inspection and repair, take it to a qualified electrician.

PRODUCT ELEMENTS

When opening the packaging, you will find the following:

1. Streetwize 10Amp 6V/12V Digital Smart Battery Charger
2. Information for use



No.	Description	Function
1	Display	Shows the parameter.
2	LED Indicators	LED indicators for Voltage, Amp and Charge Level (%) parameter shown on display.
3	Parameter Switch Button	To switch the parameter shown on the display.
4	Power cable	UK 230V AC mains power cord to supply power to the unit.
5	Black battery charger cable (-) with clamp	Connects to the negative terminal on the battery.
6	Red battery charger cable (+) with clamp	Connects to the positive terminal on the battery.
7	LED Error	Lights up if the connection to the battery is incorrect.
8	LED charging	Lights up to show that the battery is charging.
9	LED Full	Lights up to show that the battery is fully charged.
10	Charge MODE button	For selecting the charging current and charging voltage.

Intelligent Microprocessor

This battery charger comes with a built-in intelligent microprocessor which automatically adjusts the charging current based on the level of charge of your battery. This assists with prolonging the life of the battery and preventing it from being damaged through overcharging.

Trickle Charge

The trickle charge function allows you to slow charge your battery so that it is fully charged when not in use. The trickle charge function can be used for overnight charging as well.

DIRECTIONS FOR USE

Before use

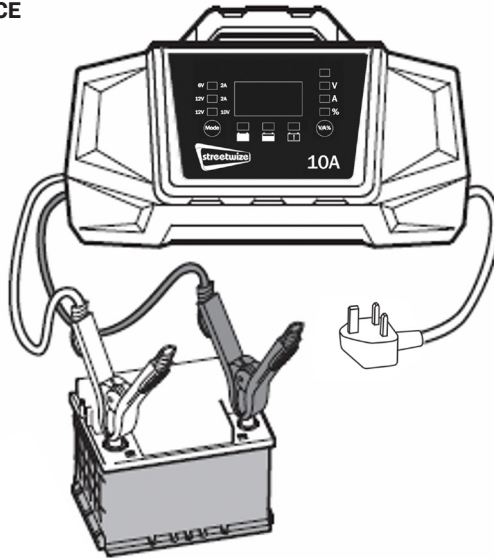
Warning!



Before using this battery charger, please ensure you follow the safety notices below:

- Use safety goggles and acid-proof safety gloves.
- Ensure adequate ventilation when charging.
- Please follow the guidelines written in your vehicle's handbook for charging your vehicle's battery. Please become fully familiar with the battery charging guidelines written in your handbook.

CONNECTING THE DEVICE



1. Connect the red (+) terminal connection cable with the clamp (6) to the positive battery terminal.
2. Connect the black (-) terminal connection cable with the clamp (5) to the negative battery terminal.

Warning!

Risk of fire and electric shock! Connect the charger to the 230V power socket without the use of extension cable(s). In exceptions, use the shortest possible undamaged and unrolled 230V AC extension cable.

3. Plug the charger plug into a 230V power socket. Once connected to the mains and the mains is switched on, the display will show the current battery Voltage. After 10 seconds, the "Charge" LED will light up and the charging voltage will be at the preset lowest charging rate.

Please note: If the battery is not connected correctly, the Error LED will light up. In this situation, please unplug the charger and check the battery and connection. Refer to Troubleshooting.

4. Check to see if the charging Voltage corresponds to the Voltage of the connected battery. If the charging voltage is too high, it may be that the connected battery may be damaged or destroyed. If so, please disconnect from the mains first, and then disconnect the charging cables from the battery.
5. Select the Charge Mode by pressing the MODE button (10) until your preferred charge mode appears on the LED display (See Charge Modes).

CHARGING

If the charging device is connected correctly, the CHARGE LED will light up. Once the battery is fully charged, the FULL LED will light up.

The actual charge process of this battery charger is fully automatic. Once the battery is fully charged, it will automatically switch to the trickle charge function to protect the battery from overcharging.

SWITCHING THE PARAMETER ON DISPLAY

During the charge, you can switch to what parameter you would like to see on the display. To do so, press the Parameter Switch Button (3) repeatedly until your parameter appears.

There are three parameters for you to select:

- V = charging voltage
- A = charging current
- % = battery charge condition

AFTER USE

Once the charge has been complete, please follow the instructions below:

1. Disconnect the mains plugs from the 230V AC power socket.
2. First, disconnect the black (-) charging cable from the negative battery terminal.

Then, disconnect the red (+) charging cable from the positive battery terminal.

CHARGE MODES

There are three main charge modes on this battery charger.

Modes	Charging voltage (V)	Charging Current (A)
6V: Slow charge	6V	2A
12V: Slow charge	12V	2A
12V: Quick charge	12V	10A

SAFETY FEATURES

This battery charger features the following safety features:

- Short circuit (defective battery).
- Incorrect connection (connected with reversed polarity).
- Sparking.
- Overheating.
- Excess current.
- Overcharging.

Error/Problem	Possible Cause	Solution
Display shows “---”	<ul style="list-style-type: none">• No battery connected.• Battery Voltage below 0.5V.	<ul style="list-style-type: none">• Ensure the battery is connected.
Display shows “Er1”	<ul style="list-style-type: none">• The connected battery is incompatible.	<ul style="list-style-type: none">• Only use compatible batteries (see Intention for Use)
Display shows “Er2”	<ul style="list-style-type: none">• The connected battery is defective.	<ul style="list-style-type: none">• Dispose the defective battery in the correct manner.
Display shows “Er3”	<ul style="list-style-type: none">• The battery was not fully charged within 24 hours.	<ul style="list-style-type: none">• Check if the charging rate has been set correctly.• The battery is defective. Dispose the defective battery in the correct manner.
Error LED has lit up	<ul style="list-style-type: none">• Battery is either not connected or incorrectly connected.	<ul style="list-style-type: none">• Turn off charger at the mains to check the connections
	<ul style="list-style-type: none">• Incorrect battery voltage (6/12V) has been selected.	<ul style="list-style-type: none">• Unplug charger at the mains and wait for the LED indicator lights to go out. Then reconnect the charger to the mains, and select the correct battery voltage.
Battery does not charge	<ul style="list-style-type: none">• No power supply. The charger is not plugged into the mains.	<ul style="list-style-type: none">• Check if the battery charger is connected to a 230V AC mains socket.• Battery may be defective. Dispose the defective battery in the correct manner.
Long charging time	<ul style="list-style-type: none">• Low charging current is used in low temperature (below 0oC).	<ul style="list-style-type: none">• Charge battery in room temperature.• Never charge frozen batteries.
	<ul style="list-style-type: none">• Battery capacity too high for the charger being used.	<ul style="list-style-type: none">• Use a suitable charger.
Battery voltage is low	<ul style="list-style-type: none">• Battery wasn't charged long enough.	<ul style="list-style-type: none">• Ensure the battery is charged long enough.



MAINTENANCE GUIDELINES

- After every charge, clean the clamps to prevent corrosion. When cleaning the clamps, ensure you wipe off any battery fluid which may have come in contact with the clamps.
- When not in use, please ensure the cables are carefully stowed away properly. This will prevent accidental damage to the cable and the device.
- Clean the product with a soft, dry cloth.
- Store the battery in a clean, dry place.

Caution!



Only qualified technical personnel should change the plug or the connecting cables. This will guarantee the safety of the battery charger is maintained. If the product is no longer suitable for use, dispose of it in an environmentally friendly manner in accordance with your local government.

DISPOSAL

The packaging consists of non-contaminating materials that you can dispose of at your local recycling point.

Do not throw electrical appliances in with domestic waste.

In accordance with European Directive 2012/19/ EC for waste electrical and electronic equipment (WEEE) and conversion to national law, used electrical appliances must be collected separately and taken to a recycling point. For ways to dispose of old electrical appliances please contact your local authority.



Made to European Electrical Safety Regulations EN 60335-2-29

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