


| Fault                              | Possible cause   | Solution                              |
|------------------------------------|--|---------------------------------------|
| <b>No charging current</b>         | Bad contact of power socket.                                     | Repair or change power socket.        |
|                                    | “Select Voltage” switch is set incorrectly.                      | Select correct voltage position.      |
|                                    | Initial voltage is too low.                                      | Change battery.                       |
|                                    | + and - polarity terminals of battery are oxidized and/or dirty. | Clean terminals.                      |
|                                    | Battery has been damaged.  | Replace battery.                      |
| <b>Low charging current</b>        | + and - polarity terminals of battery are oxidized and/or dirty. | Clean terminals.                      |
|                                    | Battery not accepting charge.                                    | Replace battery.                      |
|                                    | Battery is charged fully.  | Measure specific gravity.             |
| <b>Excessive transformer noise</b> | “Select Voltage” switch is set incorrectly.                      | Select correct voltage position.      |
|                                    | Unstable position.   | Position charger on a stable surface. |

**Product Specifications:**

Streetwize Part Number: SW100JS  
 Voltage Rating Input: 240V 50Hz, 270W  
 Output Rating: 12v DC - Trickle charge - 7Amp  
 Quick charge - 15Amp  
 Engine Jump Start 100Amp

The WEEE symbol  on this product means that this product should be ethically dismantled or recycled to minimise environmental impact. Please check with your local authority for more information.

**IMPORTANT: ADDITIONAL SAFETY INFORMATION**

This Battery 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 are supervised or have been given instruction concerning use of the Battery Charger by a person responsible for their safety.

**FOR INDOOR USE ONLY**

**WARRANTY:** To validate the warranty on this product, please go to our web site and enter your details on the warranty screen. [www.streetwizeaccessories.com](http://www.streetwizeaccessories.com).

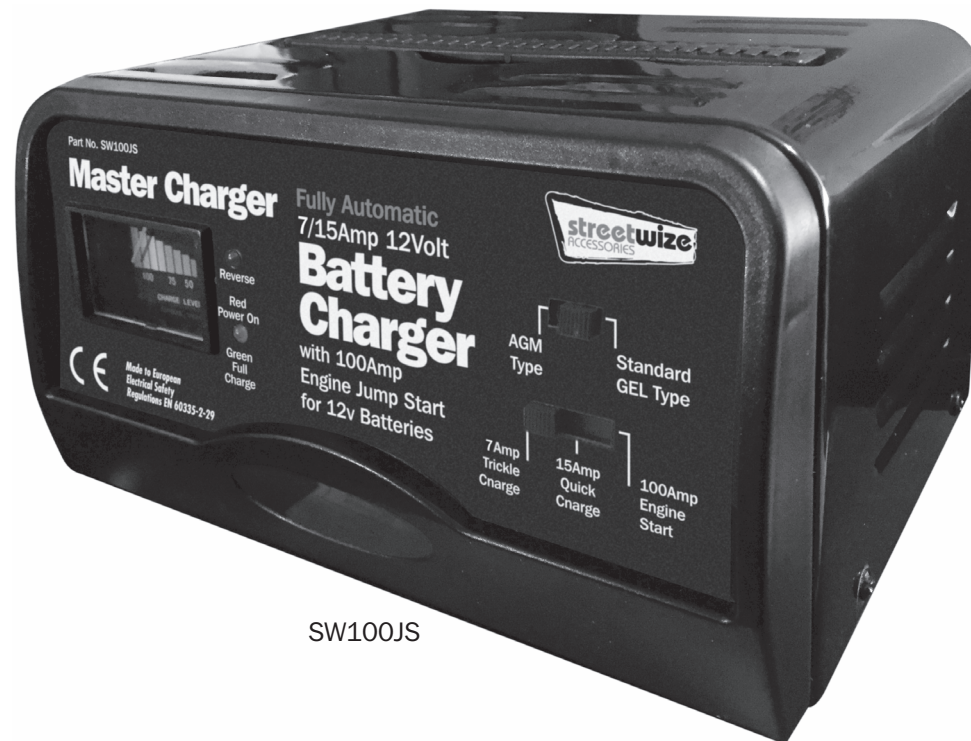


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# Fully Automatic 7/15Amp 12Volt Battery Charger

with **100amp** Engine Jump Start for 12v Batteries



SW100JS

| Part No. | Rated Output  | Battery Voltage | Battery Capacity |
|----------|---|-----------------|------------------|
| SW100JS  | Trickle - 7Amp<br>Quick charge - 15Amp<br>Engine start - 100Amp | 12 Volt         | 20-150 Ah        |

Please read these instructions carefully before operating this battery charger.



## Battery Maintenance:

Please check your battery regularly throughout the year and especially in the winter.

Faulty cells can cause problems with your battery, check the cells with a hydrometer, if any cell is reading lower than the others it can indicate a faulty cell. If this is the case have your battery checked, as you may need a new battery. It is possible that a battery may appear flat when it could simply be a loose connection of the battery terminals. Check the terminals and tighten if necessary then check the battery again.



## Safety Instructions: FOR INDOOR USE ONLY.

To enable safe operation of this battery charger, make sure you follow basic safety principles to reduce a risk of personal injury, electric shock and fire.

Always ensure the battery charger is kept in a dry place to avoid damage, and store out of the reach of children. Do not use the charger in damp or wet areas as moisture will damage the transformer.

Always check the battery chargers plug, cables and crocodile clips before use. Do not open the charger, there are no serviceable parts.

When charging, the liquid in the battery may bubble causing a release of gas, this is flammable so always operate the charger in a well ventilated place and away from naked flames and sparks.

**This charger is ONLY suitable for use with 12 Volt Lead-Acid batteries and should not be used to recharge NICAD or any other type of battery.**

**DANGER: Avoid getting battery acid (electrolyte) on your skin or clothing, as it may cause burns. If this occurs rinse immediately with cold water and if necessary seek medical advice.**

**The charger contains a temperature-sensitive switch that automatically cuts off when the charger is overloaded or becomes excessively hot. The charger will switch back on after the unit has cooled.**

## Operating Instructions:

Please read the information on the front of these instructions for the maximum battery capacity recommended for use with this charger. Using with batteries smaller than this capacity may lead to damage to your battery.

1. Disconnect the Battery from the vehicle to avoid damage to the alternator. It is advisable where possible to remove the battery from the vehicle as spillage from the battery can cause damage.

2. If you have a **maintenance free/sealed** battery it is not necessary to carry out the following checks. Carefully remove all the caps from each battery cell, and ensure the liquid is at the recommended level. Top up with distilled or de-ionised water if required (ALWAYS wear protective gloves as this liquid is corrosive). Tap water should NOT be used under any circumstances, allow time for any gases to escape before replacing the caps. Warning: if your battery is the AUTOFIL type, manufactured by Dagenite or Exide, the glass balls and the long filler cap MUST be left in place during charging.
3. Use the “top” switch to select the correct battery type AGM or Standard Gel. Then use the “bottom” switch to select the desired charging mode - **trickle, quick charge or engine start. DO NOT** plug the charger in until you have connected the crocodile clips correctly.
4. Connect the crocodile clips in the following order.
  - a) Connect the positive (+ Red) charging lead to the positive (+ Red) terminal.
  - b) Connect the negative (- Black) charging lead to the negative (- Black) terminal. It is important that the crocodile clips make good contact with the battery terminals.
5. **To Charge:** Plug the Charger in using a fused AC mains plug socket and turn the “power” switch to charge. When a battery is first connected, the “current meter” will show the approximate charging current. The “charge indicator” LED’s will light to indicate approximate amount of charge in the battery. When the “FULL” LED illuminates charging is complete. The Battery Charger has Reverse Polarity & Overload Protection. If the leads are incorrectly connected the REVERSE LED will light (RED), **IMMEDIATELY** unplug the charger from the mains and reverse the connection. If the OVERLOAD LED lights (RED) **IMMEDIATELY** unplug the charger, it cannot charge this battery. When the charger has finished charging the CONDITION LED will light (Green) to indicate the charging is complete. **At this point the battery can remain connected, the automatic charge control will maintain the battery in a fully charged condition indefinitely.**
6. **Engine Starting:** Charge the battery for 10-15 minutes according to steps 1-5 as in the charging operation section above. Turn off the mains power, turn the switch to 100Amp engine start, turn on the mains power and then turn the vehicle over immediately. When the amp switch is in the “engine start” position the charger is able to operate for a brief period in an over-current mode of operation. **Warning:** Do not crank engine for more than 5 seconds at a time. Wait approximately 4 minutes between starting attempts. **Do not attempt to start more than three times. If three attempts fail, the vehicle’s battery should be recharged fully.**
7. To disconnect the battery when charged, or after starting the engine. Unplug the mains supply. **Caution:** Because of risk of explosive gas, only disconnect the crocodile clips when the mains are disconnected. Check the fluid levels and top up if necessary and wipe the battery clean. If the battery has been removed, replace in the vehicle and re-connect.

