



# 8A 6/12V BATTERY CHARGER 230V

MODEL NO: **DSBC8.V2**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection



Wear protective gloves



Electrical shock hazard



Warning: corrosive substance



Warning: explosive material



Keep away from sources of ignition



Use in well ventilated areas



Keep in dry area protect from rain

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- WARNING!** It is the user's responsibility to check the following:
  - Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
  - ✗ **DO NOT** use worn or damaged cables, plugs or connectors.
  - ✓ Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.
  - ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use. **Ensure that repairs are carried out by a qualified electrician.**
  - ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. **Important:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.
  - ✗ **DO NOT** pull or carry the appliance by the power cable.
  - ✗ **DO NOT** pull the plug from the socket by the cable.

### 1.2. GENERAL SAFETY INSTRUCTIONS

- ▲ **DANGER! BE AWARE, LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS VERY IMPORTANT TO READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY, EACH TIME YOU USE THE CHARGING EQUIPMENT.**
- ✓ Follow these instructions and those published by the battery and vehicle manufacturers, and the maker of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and on engines.
- WARNING!** Modern vehicles contain extensive electronic systems. You are required to check with the vehicle Manufacturer, for any specific instructions regarding the use of this type of equipment on each vehicle. No liability will be accepted for damage / injury, where this product is not used in accordance with all instructions.
- ✓ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

### 1.3. PERSONAL PRECAUTIONS

- ✓ Ensure there is another person within hearing range of your voice and close enough to come to your aid, should a problem arise when working near a lead-acid battery.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working near battery.
- ✓ Have fresh water and soap nearby in case battery acid contacts skin, clothing or eyes.
- ✓ Wash immediately with soap and water if battery acid contacts skin or clothing. If acid enters eye, flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current which is high enough to weld a ring or the like to metal, which would cause severe burns.
- ✓ Ensure hands, clothing (especially belts) are clear of fan blades and other moving or hot parts of engine, remove ties and contain long hair.
- ✗ **DO NOT** smoke or allow a spark or flame in the vicinity of battery or engine.

### 1.4. SPECIFIC CHARGER INSTRUCTIONS

- ✓ Familiarise yourself with the application and limitations of the charger as well as the potential hazards. Also refer to the vehicle manufacturer's handbook. **IF IN ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN.**

- ✓ Ensure the charger is in good order and condition before use. If in any doubt do not use the unit, contact your Sealey Stockist.
- ✓ Use the charger in the upright position only and ensure it is placed on a stable surface which will adequately support its weight.
- ✓ Ensure the charger is disconnected from the mains supply before attaching/detaching the power clamps to/from the battery.
- ✓ Keep tools and other items away from the engine and ensure you can see the battery and working parts of engine clearly.
- ✓ Children from age 8 years and above, persons with reduced physical, sensory, or mental capabilities those with lack of experience and knowledge can use the appliance, if they have been given supervision or instruction concerning use of the appliance in a safe way to understand the hazards involved.
- ✗ Children shall **NOT** play with the appliance.
- ✗ Cleaning and user maintenance on the appliance shall **NOT** be made by children without supervision.
- ✓ The appliance shall be disconnected from its power source during service and when replacing parts and, if that the removal of the plug is foreseen, it shall be clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed.
- ✓ Ensure the output of the charger is the same voltage as the battery.
- ✓ Ensure that during charging, the charger is placed in a location where there is sufficient ventilation to prevent the buildup of explosive gases from a lead acid battery.
- ✓ If battery has caps to access the battery fluid, remove the caps and check the fluid level before connecting the power clamps. If necessary top-up the battery with distilled water by referring to the battery manufacturer's instructions (Apply the personal safety precautions described in part 1.2).
- ✓ If the charger receives a sharp knock or blow the unit must be checked by a qualified service agent before using.
- ✓ If the battery terminals are corroded or dirty clean them before attaching the power clamps.
- ✓ Keep children and unauthorised persons away from the working area.
- ✗ **DO NOT** dis-assemble the charger for any reason. The charger must only be checked by qualified service personnel.
- ✗ **DO NOT** try to charge a non-rechargeable battery.
- ✗ This charger is only suitable for Lead Acid batteries and should **NOT** be used to recharge NICAD or any other type of battery.
- ✗ **DO NOT** try to start engine when charger is connected to battery.
- ✗ **DO NOT** try to charge battery if battery fluid is frozen.
- ☐ **WARNING!** To prevent the risk of sparking, short circuit and possible explosion **DO NOT** drop metal tools in the battery area, or allow them to touch the battery terminals.
- ✗ **DO NOT** allow power clamps to touch each other or to make contact with any metallic part of the vehicle.
- ✗ **DO NOT** cross connect power leads from charger to battery. Ensure positive (+/RED) is to positive and negative (-/BLACK) is to negative.
- ✗ **DO NOT** pull the cables or clamps from the battery terminals.
- ✗ **DO NOT** use the charger outdoors, or in damp, or wet locations and **DO NOT** operate within the vicinity of flammable liquids or gases.
- ✗ **DO NOT** use charger inside vehicle or inside engine compartment.
- ✓ Ensure there is effective ventilation to prevent a build-up of explosive gases.
- ✗ **DO NOT** use the charger for a task for which it is not designed.
- ✗ **DO NOT** charge 12V batteries smaller than 12Ah. The largest capacity lead acid battery that should be charged is 60Ah.
- ☐ **WARNING! DO NOT** simultaneously charge batteries of different capacities or discharge levels.
- ☐ **WARNING! DO NOT** charge a frozen battery.
- ☐ **WARNING!** If a fuse blows, ensure it is replaced with an identical fuse type and rating. Use only Sealey genuine parts.
- ✓ When not in use, store the charger carefully in a safe, dry, childproof location.

## 2. INTRODUCTION

Compact 6/12V lead acid battery charger suitable for home and light workshop use. For use only with 6 and 12V lead acid batteries rated between 20 and 80Ah. Features easy-to-read LED charging indicator. Also features overheating, short and reverse polarity protection. Composite housing with carry handle. 1.4m Cable with insulated clamps.

## 3. SPECIFICATION

Model No:	DSBC8.V2
Battery Range:	20-80Ah
Cable & Clamp Length:	1.4m
Effective Output Charge:	6V 5.6A (High)/2.5A (Low) 12V 5.6A (High)/3.6A (Low)
Fuse Rating:	13A
Nett Weight:	2.00 kg
Output:	6/12V
Peak Output Charge:	8A
Plug Type:	3-Pin BS
Power Supply Cable Length:	1.8m
Supply:	230V~50Hz

## 4. OPERATION

- 4.1. Please read carefully before using. Do not charge 12V batteries smaller than 20Ah. The largest capacity lead acid battery that should be charged is 80Ah.**
- 4.2. CHARGING YOUR BATTERY**
- 4.2.1.** It is essential to disconnect the battery from the car. This will avoid possible damage to the alternator. To avoid damage to the bodywork from possible spillage it is advisable to remove the battery completely.

#### 4.3. PREPARATION OF THE BATTERY

4.3.1. Firstly remove the caps from each cell and check that the level of liquid is sufficient in each cell. If it is below the recommended level top up with ionized, or distilled water.

##### **UNDER NO CIRCUMSTANCES SHOULD TAP WATER BE USED**

4.3.2. The cell caps should not be replaced until charging is complete. This allows any gases formed during charging to escape. It is inevitable that some minor escape of acid will occur during charging. If your battery is permanently sealed it is of course, not necessary to carry out these checks.

**IMPORTANT:** If your battery is the AUTORL type, manufactured by Dagenite or Exide, the glass balls and the long filler cap must be left in place for the duration of the charging.

#### 4.4. CONNECTION

**NOTE:** It is important to ensure that both crocodile clips are making good contact with their respective terminal posts.

4.4.1. Connect the crocodile clips to the battery in the following order:

4.4.2. Connect the positive charging lead (RED) to the positive terminal post of the battery (marked P or+).

4.4.3. Connect the negative lead (BLACK) to the negative post of the battery (marked N or-).

4.4.4. The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line. The battery charger is then to be connected to the supply mains.

4.4.5. After Charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.

#### 4.5. CHARGING

4.5.1. Insert the plug into the mains supply. Your Battery Charger should now be charging and the power LED (Red) and the charging LED (Yellow) on the front of the charger will be lit. When a flat battery is initially connected to the Battery Charger the full lamp should not be lit. When the battery is fully charged the full LED (Green) will be lit.

**NOTE:** If you have not connected the crocodile clips to the battery when you turn on the mains power the 'full' lamp will light up. Similarly, if you disconnect the clips from the battery, without switching off the mains power, the lamp will stay lit. THIS IS NOT A FAULT. If you now connect the clips to a battery the 'full' lamp will go out, unless the battery is fully charged.

**NOTE:** however for reasons of safety you should always connect and disconnect the crocodile clips to the battery with the mains power off.

##### **ELECTROLYTE**

Wear P.P.E as appropriate.

4.5.2. Regularly check the specific gravity of the liquid, using a hydrometer, until a reading of "FULLY CHARGED". A charging time of no more than 10 hours is recommended for batteries of 34-45 ampere hour's capacity.

#### 4.6. WHEN THE CHARGING IS COMPLETE

4.6.1. Switch off the mains supply, unplug the charger, and disconnect the leads from the battery posts. Inspect the liquid levels in each cell and top up if necessary, using the correct fluid. Now replace the caps. Any surplus fluid around the cell tops should be wiped off (this should be done with extreme care as it may be acidic). If the battery has been removed for charging, replace it and reconnect the cables.

#### 4.7. 5. STORING OF THE MAINS CABLE

Included with the Streetwise Battery Charger are two plastic 'U' shaped cable holder brackets. These should be inserted into the holes in the rear of the charger. When inserted the mains lead can be stored by winding it round these brackets, and then placing the plug into the dummy socket on the back of the Battery Charger.

## 5. MAINTENANCE

5.1. After each use, clean the battery charger clamps. Be sure to remove any battery fluid that will cause corrosion of the copper clamps.

5.2. Clean the outside case of the charger with a soft cloth and, if necessary, mild soap solution.

5.3. Keep the charger cords loosely coiled during storage to prevent damage to the cords.

× **DO NOT** use the charger if cords or clamps have been damaged in any way. If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent or qualified person in order to avoid a hazard.

## 6. TROUBLESHOOTING

### 6.1. IF THE 'POWER' LED FAILS TO LIGHT

6.1.1. Switch off immediately at mains.

6.1.2. Check that the fuse in the charger has not blown, if it has, the PPTC fuse will self repair in around 2 minutes.

6.1.3. **Check the fuse on the plug, and see that the wiring is properly connected.**

6.1.4. **After switching off the mains supply, turn back on and check again.**

6.1.5. **Ensure that any leads are not damaged.**

### 6.2. IF THE PANEL LIGHTS FLICKER AND GO OUT

6.2.1. Switch off immediately at mains.

6.2.2. Check that the fuse in the charger has not blown, if it has, the PPTC fuse will self repair in around 2 minutes.

6.2.3. Check the fuse on the plug, and see that the wiring is properly connected.

6.2.4. Ensure that the output crocodile clips are not touching.

6.2.5. **Check to see that the positive and negative leads are connected to the correct terminals.**

### 6.3. IMPORTANT NOTICE:

**IF THE 'POWER' AND 'FULL' LEDS ARE ILLUMINATED AND THERE IS NO OUTPUT CHARGE TO YOUR BATTERY CHECK;**

6.3.1. That the PPTC fuse in the charger has not blown, if it has, it will self repair in around two minutes.

6.3.2.2. If your battery is defective and you will need to replace your battery.

Parts support is available for this product. Please email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone 01284 757500



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



#### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on [technical@sealey.co.uk](mailto:technical@sealey.co.uk) or 01284 757505.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.



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