

3. OPERATION

WARNING! Ensure you read, understand and apply the safety and operational instructions before connecting the charger power clamps to the battery. Only when you are sure that you understand the procedures is it safe to proceed with the actual charging process.

Note: These units are designed to work on 12V batteries which have a voltage of between 9V and 14V. If the unit detects voltages outside of these limits it will automatically stop charging. Once the battery voltage returns to within the limits, charging will automatically re-start.

Note: These units are fitted with a Thermal Cut-out which will switch the charger off if the battery draws too large a current for too long a period of time or in the event of high ambient temperature.

3.1. Status indicators

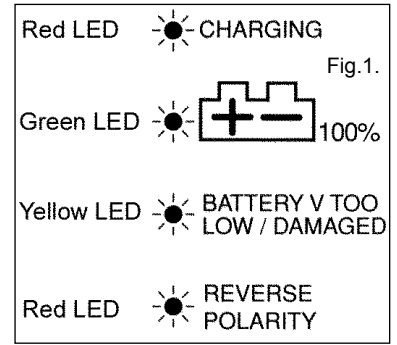
Four LEDs on the charger front panel indicate status (Fig.1.).

Upper Red LED - Battery is being charged but the charging is not complete.

Green LED - Battery is fully charged - disconnect charger from mains supply and **then** from battery.

Yellow LED - Battery voltage is below 9V or battery is damaged.

Lower Red LED - Clamps have been incorrectly connected to battery - disconnect charger from mains supply and reconnect red clamp to positive battery terminal, black clamp to negative terminal.



3.2. Battery charging

WARNING! Ensure you read, understand and follow all safety instructions in Section 1 before attempting to use the AUTOCHARGE6.V3, AUTOCHARGE12.V3 or AUTOCHARGE18.V2.

WARNING! It is advised before charging, to disconnect and remove the battery from the vehicle to prevent damage to sensitive onboard equipment. Remember to provide a back-up supply for onboard electronics and to retain any security codes.



3.2.1. Establish the battery voltage ensuring that it is 12V.

3.2.2. If the battery is not a sealed unit, remove the filler caps and check the level of the electrolyte. If it is below the recommended level, top up using distilled water. **Do not** use tap water under any circumstances. To prevent acid splashing during the charging process, replace the filler caps but do not tighten them, allowing gases to escape.



3.2.3. If sealed unit, it is unnecessary to carry out the checks outlined in 3.2.2.

3.2.4. Connect power clamps to the battery terminals, ensuring correct polarity.

3.2.5. Connect charger to mains power supply, switch on and ensure upper red LED is illuminated.

3.2.6. When upper green LED illuminates, indicating that battery is fully charged, disconnect charger from the mains supply and only then remove clamps from the battery terminals.



3.2.7. Carefully wipe any spillage of acid from the battery top and replace battery caps, if removed.

3.2.8. **FOR A VERY FLAT BATTERY, DISCONNECT CABLES FROM BATTERY TERMINALS AND ALLOW BATTERY TO REST FOR 30 MINUTES BEFORE ATTEMPTING TO CHARGE. REMEMBER TO PROVIDE A BACK-UP SUPPLY FOR THE VEHICLE WHEN DOING THIS IN ORDER TO PREVENT DAMAGE TO ON-BOARD ELECTRONICS. CHECK SEALEY MODEL VS207 FOR THIS FUNCTION.**

4. SPARES

	PART DESCRIPTION	AUTOCHARGE6.V3	AUTOCHARGE12.V3	AUTOCHARGE18.V2
1	PC BOARD	AC6.V3-01	AC12.V3-01	AC18.V2-01
2	TRANSFORMER	AC6.V3-02	AC12.V3-02	AC18.V2-02
3	TOP CASING (RED)	AC6.V3-03	AC12.V3-03	AC18.V2-03
4	ON/OFF SWITCH	AC6.V3-06	AC12.V3-06	AC18.V2-06

Declaration of Conformity We, the sole UK importer, declare that the products listed below are in conformity with the following standards and directives.

Electronic Battery Chargers
Models: AUTOCHARGE6.V3, AUTOCHARGE12.V3
& AUTOCHARGE18.V2

89/336/EEC EMC Directive
 73/23/EEC Low Voltage Directive
 93/68/EEC CE Marking Directive



The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

10th August 2006

For Jack Sealey Ltd. Sole UK importer of Sealey Power Products.

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.

IMPORTANT: No liability is accepted for incorrect use of this equipment.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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