



**60/90/120 Amp 6-32 volt
Electronic Charge Splitter
part 0-852-06/09/12 and 0-853-06/09**

WARNING!

**This unit is only suitable for 6-32 volt electrical systems with negative earth/return.
The 'Input -ve' blade terminal must be connected first. Failure to do this may result in damage to the unit. The terminal studs are brass, do not over tighten.**

Installation Instructions

Read all installation instructions before attempting to install the electronic charge splitter. An installation wiring diagram is shown on the reverse of this leaflet. Any single charging source can be used to charge isolated battery banks using this unit, such as an alternator, battery charger, wind generator or solar panel.

1. Disconnect all battery leads, -ve leads first.
2. Locate a suitable position for the charge splitter and fit securely. Choose a position near to the charging source that affords protection from extreme heat and ingress of oil and water. Ensure there is a free flow of air around and under the unit.
3. Connect the '**Input -ve**' spade terminal to the negative side of the charging source using the connecting lead supplied. This connection must be made before any other electrical connection to the unit.
4. Connect the charging source positive output to '**Input +ve**' on the unit.
5. Connect '**Output 1 +ve**' and '**Output 2 +ve**' (and '**Output 3 +ve**' on 3 output models) to the positive terminals of the separate battery banks.
6. If the charging source is a battery sensed alternator, connect the '**Sense**' terminal to the switched side of the ignition. The alternator energisation voltage will be connected to the alternator via the internal 7.5 amp mini blade fuse. An optional 1.5 - 5 watt bulb can be included in the circuit to provide a charge warning lamp if required. Replacement of a blown fuse must be of the same type and rating (7.5 amp), failure to do so will invalidate the warranty. If the charging system is machine sensed then leave the '**Sense**' terminal unconnected.
7. Re-connect all the batteries, +ve lead first.
8. Commence charging, ensure the red LED is illuminated. If the LED does not illuminate switch off immediately and re-check all connections.

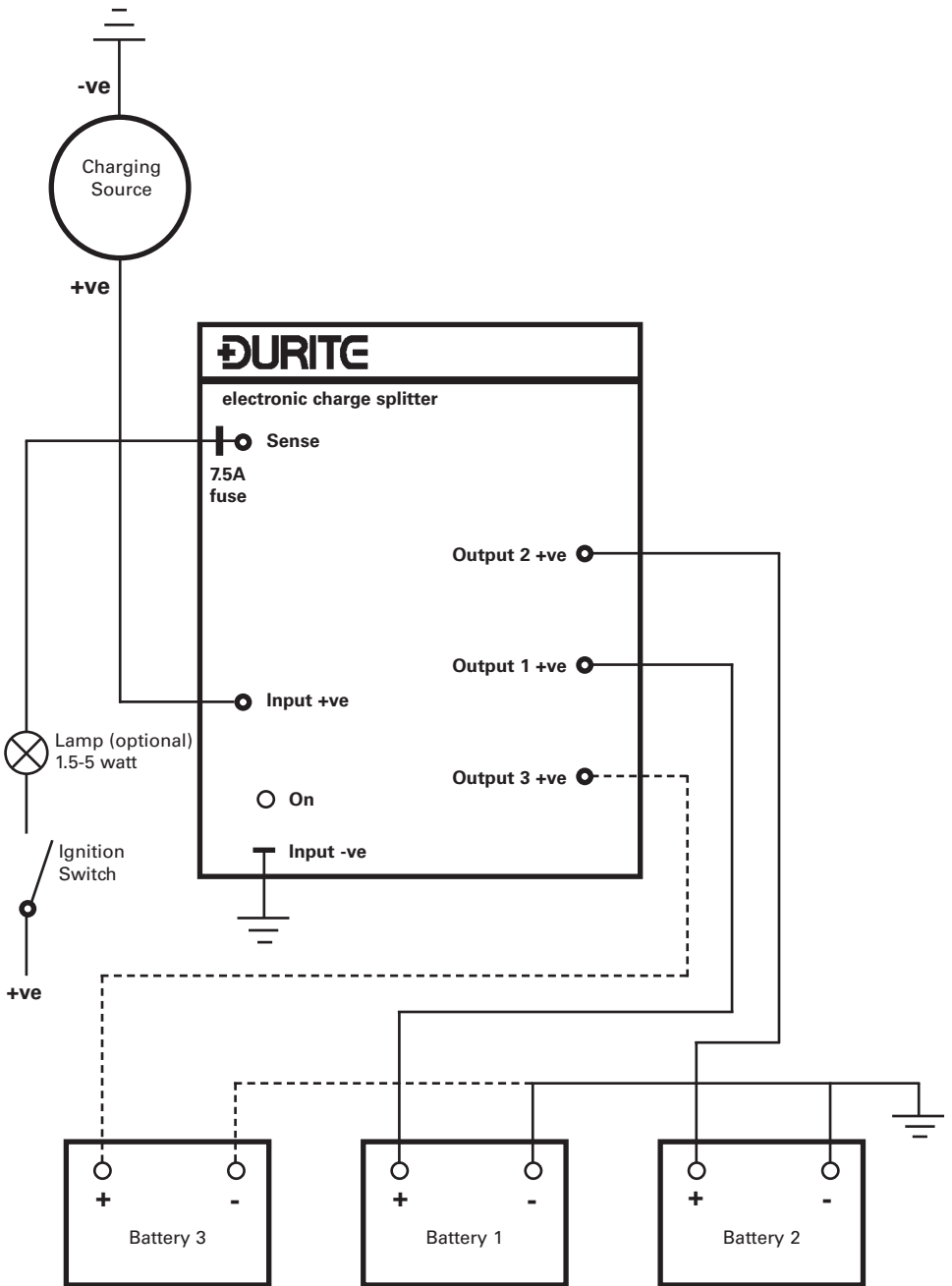
Notes:

Ensure all current carrying cables are of sufficient capacity and all terminations are made with copper tube terminals of the correct cable and stud size.

Only one charging source may be connected to this unit at any one time.

No liability can be accepted by the company for damage caused by incorrect installation.





Circuit connection diagram for the 1 input 3 output model for use with battery sensed systems.