



VSR- 12V 140A Voltage sensitive relay

Specification

Continuous Rating: 12VDC/140 amps

Sense: Dual

Engage Voltage: 13.7VDC

Disengage Voltage: 12.8VDC

Ignition Protected: UL1107

Stud: M6

Ground: Negative, 0.5M/18 AWG wire

Weight: 0.2Kg

Dimensions: 68mm x 68mm x 49mm

Mounting Screws: 4.8 x 50mm and 3.5 x 13mm

CABLES NOT INCLUDED

Recommended cable size for connection to the batteries/Studs: 10mm squared (8AWG)

This simple device allows the charging of two separate battery banks from a single charging source such as vehicle alternator with no risk of flattening your battery bank.

By sensing the main battery voltage, the VSR (voltage sensitive relay) will only connect the secondary bank to the source when the first bank is fully charged and is 13.7V or over and will cut out if the main bank falls below 12.8V. This ensures that's secondary bank can never drain the main bank.

Dual sense allows the unit to sense the voltage of both batteries that it is connected between. If either battery is receiving a charge the VSR will activate. This allows the charging of the second battery from an external battery charger or second charging source. The VSR can handle charging currents up to 140A with zero voltage drop, no moving parts and encapsulated design makes it suitable for marine applications as well as split charging systems in vehicles.

Features:

- Charges two x 12V batteries from one engine
- 140 amps rating
- Automatic control
- Dual Sense - Allows secondary charging source on the auxiliary battery bank
- Eliminates draining from starter battery
- Protects sensitive electronic equipment from harmful engine start up spikes
- Compact size
- Easy to install
- Waterproof