

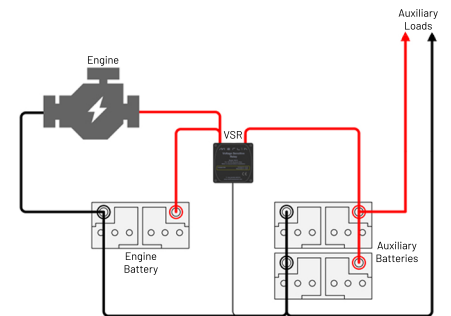
VOLTAGE SENSITIVE RELAYS

The Merlin M-Power VSR provides automatic "fit and forget" split charging for lighter duty and leisure split charge applications.

The VSR sits between two batteries. When it senses that either battery is being charged (and voltages are high enough) the unit will activate and allow power to flow between the batteries. Power will "know" which way to flow automatically and over-charging between different sized batteries cannot occur. VSR's introduce no losses into the charging system and smart-electronics prevent relay "chatter" when charging and using power from the auxiliary battery at the same time.

The M-Power VSR can be used as a voltage sensitive switch if the input is wired to a battery and the output directly to a load. That load will then only receive power when the battery is being charged or is healthy enough to provide power; useful for running DC appliances that should only be used when engines are running.

- **Bidirectional zero loss split charging** allowing virtually no voltage drop.
- **Fully automatic operation** providing "fit and forget" split charging.
- **'Connected' LED indicator** to show that the relay is on (contacts closed).
- **Sealed for damp environments** perfect for marine and under-bonnet applications.
- **Ignition Protected** prioritising safety in every application.



PART #	04-4102	04-4112
NOMINAL VOLTAGE	12VDC	24VDC
MAXIMUM CURRENT (SURGE)	140A	100A
MAXIMUM ALTERNATOR SIZE	70A	50A
CONTINUOUS CURRENT	40A	30A
CONNECT VOLTAGE	13.3V	26.6V
DISCONNECT VOLTAGE	12.8V	25.6V
DIMENSIONS (MM)	67.5 X 67.5 X 53.3	67.5 X 67.5 X 53.3
WEIGHT (G)	192	192
STANDARDS	CE, UL1107	CE, UL1107

All specifications are provided in best possible faith but may be subject to change without notice. All business is transacted according to our Standard Terms & Conditions, a copy of which is available upon request.