

BatteryMate

BATTERY ISOLATOR



A technically advanced MOSFET-based electronic device that works with both 12V or 24V dual battery systems. A unique feature of the unit is of being able to provide a very low voltage drop between the alternator and the two batteries being charged (75mV @ 10A or 150mV @ 20A) compared to the almost one volt drop that is common to virtually every other type of diode-based isolator. Batteries working with this isolator are

charged to full capacity by the alternator, promoting better performance and longer life.

FEATURES:

- Very low voltage drop
- Low power dissipation
- Direct compatibility to any type of alternator, whether it is with internal or external voltage sensing
- Heavy-duty waterproof performance
- Anodized aluminium heatsink construction

TECHNICAL SPECIFICATIONS:

Working Voltage:	10V – 30V
Continuous Current:	100A
Dimensions (W x D x H):	150 x 80 x 40mm
Weight:	0.6 kg

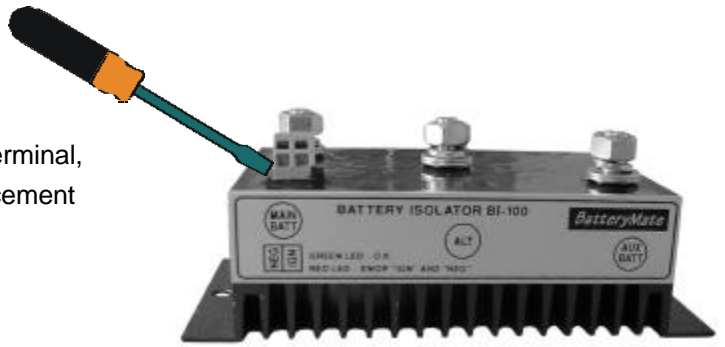
UPGRADE:

With the BatteryMate Isolator one can upgrade to the Gemini Dual Battery System for minimal cost. Enquire from your local supplier.

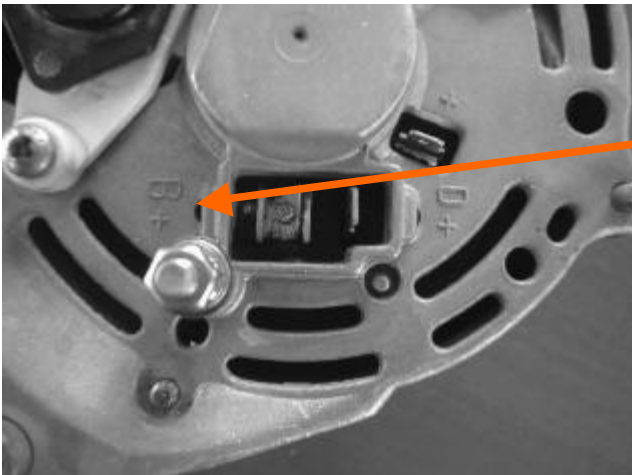
CIRCUIT DIAGRAMS:

TO INSTALL WIRES:

Use a screwdriver to depress the spring release terminal, which will open the crocodile clamp and allow placement of the wires.



CONNECTION TO THE ALTERNATOR:



Connect batteryMate alternator terminal to the B or B+ terminal on the alternator.

Connect the THICK wire only.

If additional wires are found to be terminated on B or B+ terminal, remove these wires and connect them to the main battery terminal on the BatteryMate unit.

CONNECTION MAP:

