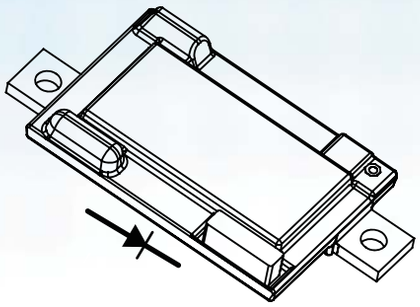
POWER-GATE™ Solid-State Devices
Bi-Directional Relay



25 to 150 AMPS
12 and 24 Volts

APPLICATIONS:

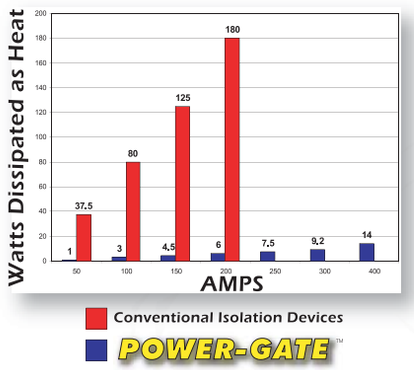
An arrayed back-to-back MOSFET SSR designed to switch and control DC. Common uses include military, aeronautic, automotive, marine, industrial machinery, photovoltaic, fleet utility.

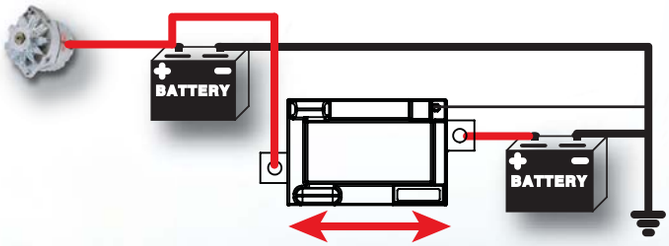
FEATURES and BENEFITS:

- Low voltage, high current capability
- Internationally patented arrayed MOSFET technology
- Optional MIL-STD-461E Compliant
- 99.9% efficiency at max. current
- Fully Encapsulated solid state design
- Light weight
- Dramatically smaller than conventional devices
- Market-leading, ultra-low on-state resistance
- No heat sinks or airflow required
- Analog and microcontroller programmable versions
- Quik-turn capability
- Recommended by top battery manufacturers

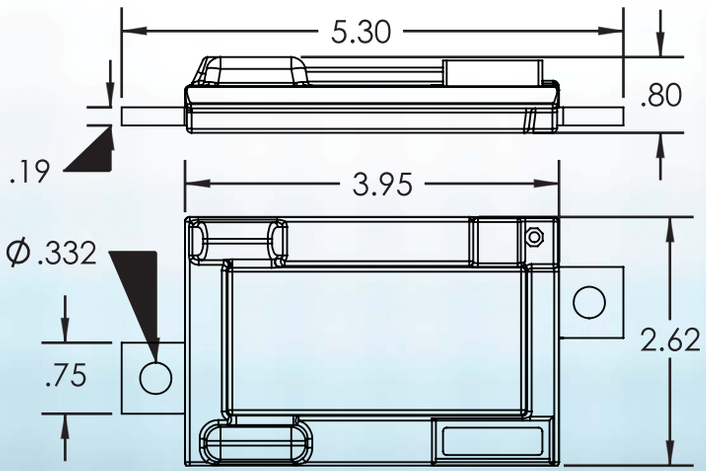
POWER-GATE solid state Bi-Directional relays are designed to switch DC current up to 150 amps, and allow current to flow bi-directionally. An integrated microprocessor provides smart control including traditional Low Voltage Disconect functionality to safeguard batteries. The device can be customized for OEM's serving various internal and external battery management applications. Often used in fleet applications, the device can be placed between a starting and auxiliary battery allowing the onboard logic to decide when to separate the batteries to insure vehicle start-up. A manual override trigger can force the device to join batteries together for self-jumping applications.

Bi-Directional relays can behave in full automatic mode, respond to manual triggers, or both. Its on-board logic, low on-resistance, and high current switching make it a compelling choice for systems engineers and fleet operators alike.





Various packaging options available at our discretion.



A solid state Bi-Directional Relay can be used to switch power between two batteries. Current can flow in both directions much like a mechanical relay. Reprogrammable logic causes the device to respond to differing voltage and timing cues, safeguarding batteries from deep discharge, or monitoring voltage, current, and termperature for various internal or external battery management applications.

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Specifications subject to change without notice.