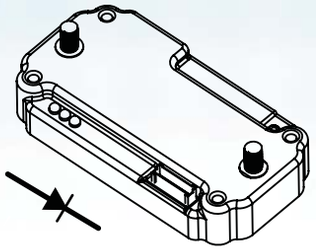
POWER-GATE™ Solid-State Devices
Circuit Breaker



25 to 300 AMPS
12 and 24 Volts

APPLICATIONS:

An arrayed MOSFET solid state breaker designed to open at precise, programmed current level. Common uses include military, aeronautic, automotive, marine, industrial machinery, photovoltaic, fleet utility.

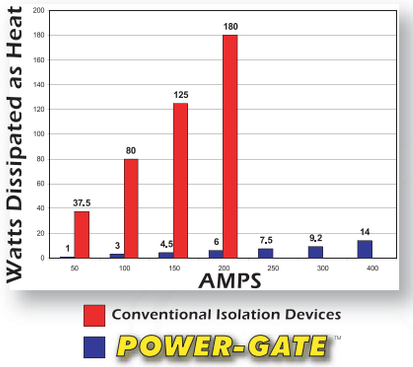
FEATURES and BENEFITS:

- 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

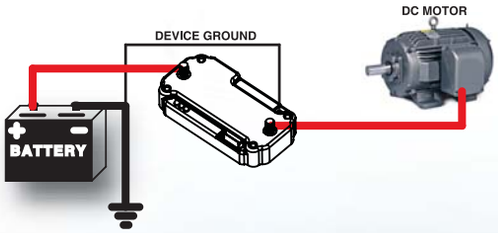
INSERT BLOCK DIAGRAM

POWER-GATE solid state circuit breakers are designed to function much like a conventional breaker, disrupting current flow if it exceeds a specific preprogrammed current level. An integrated microprocessor works in conjunction with an external hall effect sensor to insure accurate performance and flexible options including:

- differentiation between in-rush and shorted conditions
- response to low or high voltage thresholds
- timers to delay turn on or off
- latching and reset logic
- over temperature protection



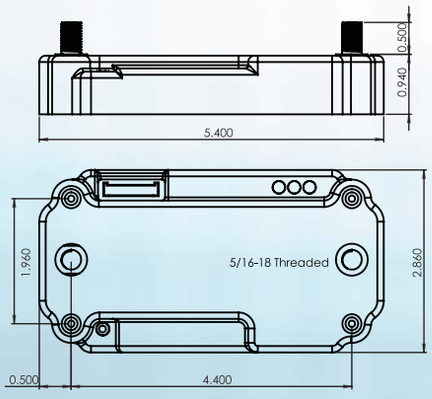
By melding the worlds of electronic and mechanical design, our internationally patented large MOSFET arrays provide smart, reliable, unidirectional switching of high current.



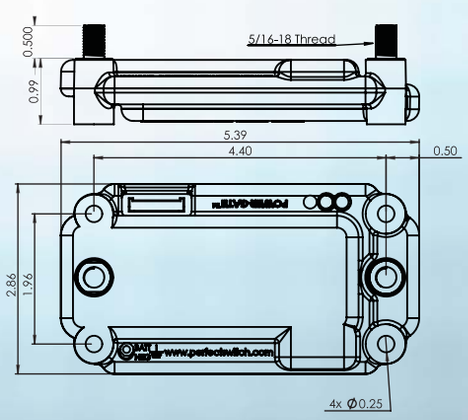
PACKAGE CHARACTERISTICS:

- Two packages offered at our discretion
- Four integrated mounting bosses
- 5/16-18 x .500" machined brass connection posts
- 6-32 brass ground post
- Vinyl post insulators

Quick-Turn Package



Injection Package



A solid state circuit breaker can be used to disrupt current to protect sensitive components downstream. Unlike conventional breakers, POWER-GATE breakers don't arc, can be programmed to latch and reset, require minimal trigger current, and are highly reliable in dust and vibration laden environments.

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Specifications subject to change without notice.