

PowerGuard - Deep Discharge Protection



- Saves money on battery replacements and improves vehicle reliability
- Automatically isolates truck batteries from power drains before the batteries are completely discharged
- Helps guarantee engine starting
- Replaces battery master switch (saving money). Turn batteries on and off manually from the vehicle dash
- Designed to military specifications

PowerGuard continually monitors the state of engine batteries as they discharge. At a pre-determined level PowerGuard will provide a warning (via an LED on its dash mounted reset switch) and then after a selected time if the batteries have not recovered, will automatically disconnect the batteries from their loads. This prevents further discharge and ensures enough energy is left in the batteries to be able to restart the engine.

Power is reconnected either by starting the engine or pressing the dash reset switch.

PowerGuard can also be used as a battery master switch remotely operated from an on/off switch on the dash negating the need to buy two separate devices.

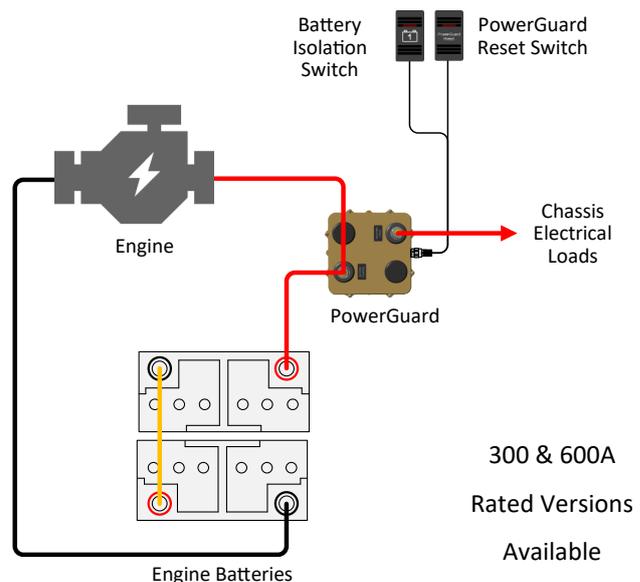
A discreet signal into PowerGuard prevents any possibility of the batteries isolating while the engine is running.



Installation Example:

The overview to the right shows PowerGuard installed in the main feed from the engine batteries to chassis electrical loads. A dash mounted switch is provided for resetting PowerGuard when the batteries have auto-isolated. It also has a warning LED which will flash before the batteries are shut off.

A dash on/off switch is also connected to allow the batteries to be manually switched on and off remotely, replacing the functionality of a battery master switch.



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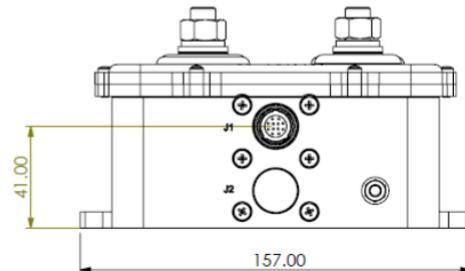
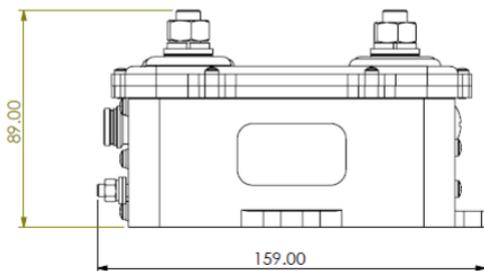
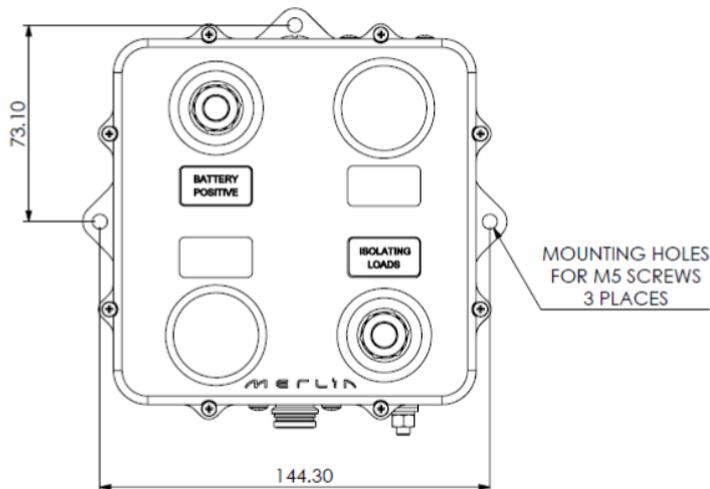
Software:

PowerGuard is supplied with windows based PC software allowing the product to be configured to automatically protect the batteries at different levels and diagnose the system when in use.



Standards:

- MIL-STD-461
- Electromagnetic Compatibility
- MIL-STD-810
- Environmental
- MIL-STD-1275
- 28V DC Systems



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