

Battery Guard[®] 1000

US Patent # 4,628,289

Intelligent Battery Disconnect Kit

The Battery Guard[®] 1000 Kit is a plug and play system designed to prevent batteries from low voltage conditions and potential damage. Included in the kit are 10 ft harness, 10 ft extension harness, and a sleek, stainless steel switch with a built in LED indicator that allows the user manual-control, as well as feedback status of the battery system.

Battery Guard® 1000

Intelligent Battery Disconnect Kit



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Prevent Dead Batteries

AND KEEP YOUR RV ON THE ROAD

The Battery Guard® 1000 (BG1K) protects your batteries from damage by disconnecting them from a load before they drain past an operable voltage threshold. When the battery has charged to the point of reconnection, the BG1K will automatically reconnect the battery to the load. Additionally, the BG1K offers manual disconnect/reconnect through a stainless-steel pushbutton with LED light ring for connection status and monitoring. The BG1K is designed for 12- and 24-Volt electrical systems.

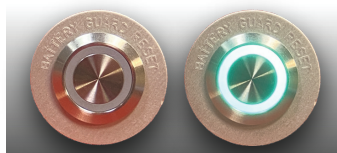
The heart of the BG1K is the unique Battery Disconnect Relay (U.S. Patent No. 4,628,289), that has been used by the transportation industry for over 25 years. The mechanical latching relay can carry heavy vehicle currents through its latching mechanism. This “green” solution does not require power to maintain an open or closed position, preventing against parasitic draw.



Battery Guard 1000 Features

- Automatic low voltage disconnect and reconnect when conditions are safe
- 100 Amp continuous load capacity
- Mechanical latch requires no current to maintain status
- Factory configurable parameters
- Disconnect and reconnect verification with automatic retry
- Quick connect terminals for easy wire installation
- Dimensions (LxWxH): 3.0"x3.5"x3.75"
- Kit includes:
 - Stainless Steel LED Switch
 - 10 ft Harness
 - 10 ft Extension Harness

OPERATION & DIAGNOSTICS



The push-button switch offers user friendly access to the disconnect switch but also informs the user of the connection status.

A solid green light ring means the system is connected.

An unlit ring means the system is not connected.

A flashing LED ring means the battery voltage levels are low and the system will soon automatically disconnect.



The BG1K provides a diagnostic LED for troubleshooting if the module fails to operate as intended.

One Blink means the system failed to disconnect.

Two Blinks when the system fails to reconnect.

Three Blinks when the system is below the minimum disconnect threshold.