



BG80
BG160
BG240

BATTERY GUARD 80A
12V or 24V | 160A
Auto Detects 240A

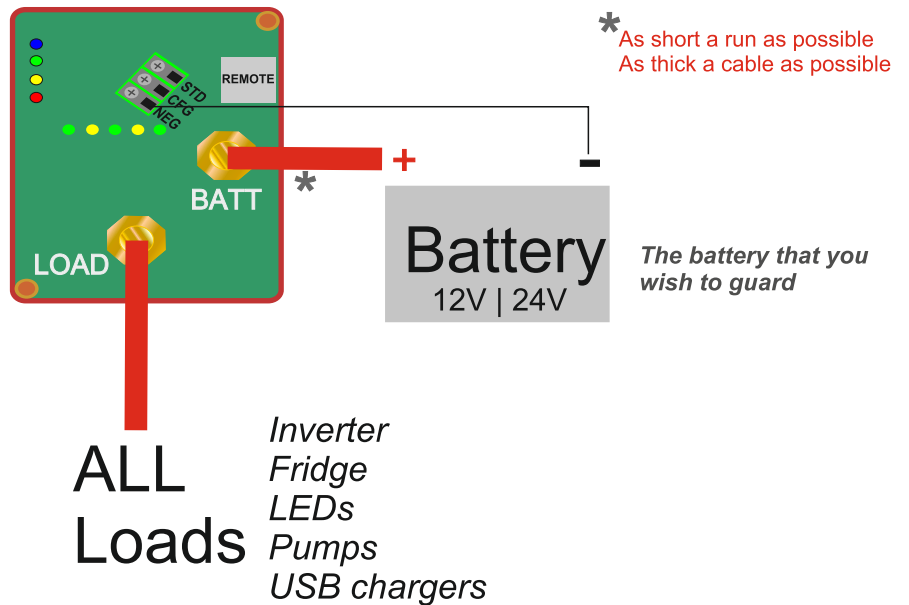


Complete Latching
Relay instructions

Battery Guard

The battery guard is simply a device that is mounted next to the positive post of the battery that you wish to protect. Typically these guards would be used to prevent over discharge and abuse of the battery that they are connected to. We have provided 4 simple presets that are easy to set the Guard to. If you are not happy with the presets, the Guard's on / off voltages can be customised.

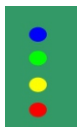
Basic Installation Diagram



BATTERY GUARD



Presets



LED Colour	Off Voltage (V)	On Voltage (V)	Bias
Blue	11.0	12.8	Lead
Green	11.8	12.8	Lead
Yellow	12.2	13.5	Lithium
Red	12.6	13.5	Lithium

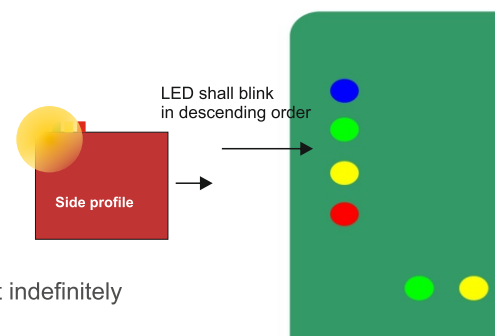
How to set

Provided the Guard has power and is lit up. Simply swipe the 'Magnetic Swipe' region of the lid down the side of the guard to the side of where the LEDs are.

Once the LED that corresponds to your off / on voltages blinks, remove the magnetic swipe and wait 10seconds. During this 10 seconds all LEDs shall blink informing that the Guard is saving.



The Guard stores this preset indefinitely



What % state of charge can you expect at each preset

To provide a table of remaining battery capacity at each preset would be extensive and not entirely helpful. If your battery is relatively small and your loads are relatively large, we would recommend a lower 'off' voltage. If your battery is relatively large and your loads relatively minimal, we would recommend a higher 'off' voltage. It is case by case. Battery capacity, load size and charge rate dependant.