

BGA 225 Quick Guide: The BGA 225 senses voltages of the Coach (Auxillary) batteries. There are two connections which control how the BGA 225 operates (Ignition pin and Signal pin). One option must be selected for each pin. Ground must be connected for any configuration.

Ignition (Ign) Connection:

Option A: No Ignition Connection (suggested by Battleborn Batteries) - The ignition terminal is unconnected

Response: The BGA will disconnect when the Coach battery voltage reaches 11.5V.

Option B: Optional Ignition - If the Ignition terminal is connected to the Ignition switch of the vehicle

Response: When the ignition switch is on, the BGA will not disconnect. When the ignition is off, the batteries will change the disconnect voltage to 12.2V.

Signal (Sig) Connection:

Option 1: (AUTO) (suggested by Battleborn Batteries) - The signal terminal is connected directly to ground.

Response: The batteries will disconnect when the voltage is sensed below 11.5V (12.2V for Ignition Option B) for 2 minutes. The batteries will reconnect when the voltage is sensed to be above 13.3V after 20 seconds.

Option 2: (Non-AUTO Disconnect) - The signal terminal is connected to a fuse (suggest 2A), the toggle switch and then to the positive terminal of the batteries

Response: The toggle switch acts as a regular disconnect. When the toggle switch closed, the batteries won't disconnect from the load. When the toggle switch is open, the batteries are disconnected from the load.

Option 3: (AUTO w/ Disconnect) - The signal terminal is connected to a toggle switch followed by a connection to ground

Response: When the toggle switch is closed, the batteries will disconnect when the voltage is sensed below 11.5V (12.2V for Ignition Option B) for 2 minutes. The batteries will reconnect when the voltage is sensed to be above 13.3V after 20 seconds. When the toggle switch is open, the batteries will be disconnected from the load.

