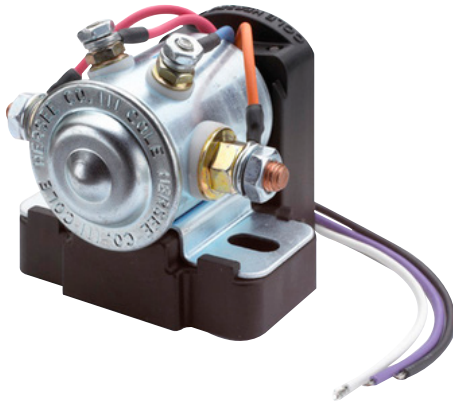


# SMART BATTERY ISOLATORS SERIES

## 9-12 V Battery Isolators



48525  
48525-BX

48530  
48530-BX

### Description

Smart Battery Isolators are smaller, lighter, and more flexible than traditional battery isolators, which makes them efficient automotive battery management solutions. They work with all alternator types and generate less heat. In addition, there is no diode efficiency loss with Smart Battery Isolators, and they offer reduced charging system workload by not connecting the auxiliary battery until the primary battery is charged to 13.2 V. The lower strain on expensive charging components extends their useful life. These Smart Battery Isolators also allow bi-directional charging from an alternator or from a shore or campground power charger/converter when available.

### Web Resources

Download 2D print, installation guide and technical resources at: [littelfuse.com/SmartBatteryIsolators](https://littelfuse.com/SmartBatteryIsolators)

### Ordering Information

| PART NUMBER | DESCRIPTION                                 | MOUNTING HOLE DIMENSIONS IMPERIAL INCHES (INCH) | MOUNTING HOLE DIMENSIONS METRICAL MM (MM) |
|-------------|---------------------------------------------|-------------------------------------------------|-------------------------------------------|
| 48525       | 9-12 V 85 A Smart Battery Isolator          | 5/16" x 19/32" on 2 13/64"                      | 7.9 x 15.1 mm ON 56 mm                    |
| 48525-BX    | 9-12 V 85 A Smart Battery Isolator - Boxed  | 5/16" x 19/32" on 2 13/64"                      | 7.9 x 15.1 mm ON 56 mm                    |
| 48530       | 9-12 V 200 A Smart Battery Isolator         | 5/16" x 19/32" on 2 13/64"                      | 7.9 x 15.1 mm ON 56 mm                    |
| 48530-BX    | 9-12 V 200 A Smart Battery Isolator - Boxed | 5/16" x 19/32" on 2 13/64"                      | 7.9 x 15.1 mm ON 56 mm                    |

### Specifications

|                                       |                                                   |
|---------------------------------------|---------------------------------------------------|
| <b>Max Continuous Voltage:</b>        | 9-12 V                                            |
| <b>Max Continuous Current Rating:</b> | 85-200 A                                          |
| <b>Current Rating Inrush:</b>         | 750 A                                             |
| <b>Operating Temp Range:</b>          | -40°C to +85°C                                    |
| <b>Ingress Protection:</b>            | IP67 (Electronic Module)<br>IP66 (Solenoid)       |
| <b>Housing:</b>                       | Black Thermoplastic Base,<br>Plated Steel Housing |
| <b>Output Terminals:</b>              | Copper Stud 5/16-24                               |
| <b>Input Terminals:</b>               | WIRE 18 AWG                                       |

### Applications

- Boats
- Heavy Trucks
- RVs/Campers

### Features and Benefits

- Simple installation allows you to easily connect a starting battery and auxiliary battery.
- Available with a continuous current rating of 85 A or 200 A
- LED status indicator shows you whether the solenoid relay inside the Smart Battery Isolator is open or closed
- Optional Start Assist is activated by a momentary switch that allows the auxiliary battery to assist the starting battery