

# DUAL BATTERY ISOLATOR

SBC-5140, 5180

## Description

It is designed for caravan, four wheels drive and truck. It protects the Main (Starting) battery from over discharged by no board appliance such as fridge, track light etc or Auxiliary battery.

There are two connect (Cut-In) voltage settings : 13.6V/ 13.2V & two disconnect (Cut-Out) voltage settings: 12.8V/ 12.6V for selection.

### Connect starting battery to auxiliary battery

It constantly monitors the voltage level at the Main (Starting) battery and when the voltage reaches a high preset level (13.6V/ 13.2V), it connects the two batteries in parallel, and the Auxiliary battery is being charged. When the voltage at the main battery drops to low preset level (12.8V/ 12.6V), the battery isolator disconnects the two batteries. Thus safeguarding the main battery from over discharged by the auxiliary battery. It is using no voltage drop design to giving higher performance in large current operation.

It has 40Amp and 80Amp models which is adoptable in different battery size and load. You can select suitable current rating model to fit in your whole system setup.

Durable metal casing design which is suitable to install in vehicles environment. Casing integrated mounter holes make installation easier and secure. It is securely hold the isolator under moving environment. Build in cables make installation ease and simple.

Simple and easy to use design with single LED indicator to clearly show the isolator is in operation and connected.



## Benefits & Features

- Fail safe design. When the isolator fails, only the auxiliary battery will be depleted.
- Fully automatic system design Allows maximum charging of auxiliary battery, while alternator will always charge the Main battery fully first before charging the auxiliary.
- Suitable for externally and internally sensed voltage regulator , EFI and diesel vehicles.
- Installation ease with simple 3 wire hook up, one to each battery and one the chassis of vehicle .
- Metal casing with strong mounter.
- No voltage drop.

## Specifications

| Models                  | SBC-5140   | SBC-5180 |
|-------------------------|--|----------|
| Battery Voltage         | 12VDC  |          |
| Operating Voltage       | 10-15VDC   |          |
| Output Current          | 40A  | 80A      |
| Cut-off/ Resume Voltage | Setting 1: 12.6VDC/ 13.2VDC<br>Setting 2: 12.8VDC/ 13.6VDC |          |
| Resume Connect Voltage  | 13.2VDC  |          |
| Dimensions (WxHxD)      | 87 x 67 x 36 mm    3.4 x 2.6 x 1.4 inch                    |          |
| Weight                  | 350 g    0.8 lb  |          |

\* All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

\* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE