

Great spot to be... unless you have a flat battery.

THE POWER OF

REDARC[®]

The REDARC Smart Start[®] SBI is a microprocessor controlled, smart battery isolator. It is designed to be used in multi-battery applications as a solenoid priority system to protect the start battery from excessive discharge, while allowing the auxiliary battery to supply non-essential loads.

The REDARC Smart Start[®] SBI is Australia's most trusted dual battery isolator, used by 4WD clubs throughout Australia.

Look at all the benefits!

- Charge your auxiliary battery whilst driving
- Cost-effective protection against a flat start battery
- A safe way to charge your auxiliary battery
- Compact in size and easy to install
- Power-saving technology



MADE IN AUSTRALIA



Smart Start® SBI Battery Isolators

Designed primarily for use in 4WD and commercial vehicles with a dual battery setup, the Smart Start® SBI ensures that a low charge in the secondary battery won't drain the primary battery.

It is available in four models; 12 or 24 volt DC incorporating 100 or 200 amp continuous ratings. The 200 amp models are designed for extremely heavy-duty operations, as found in industrial and mining situations

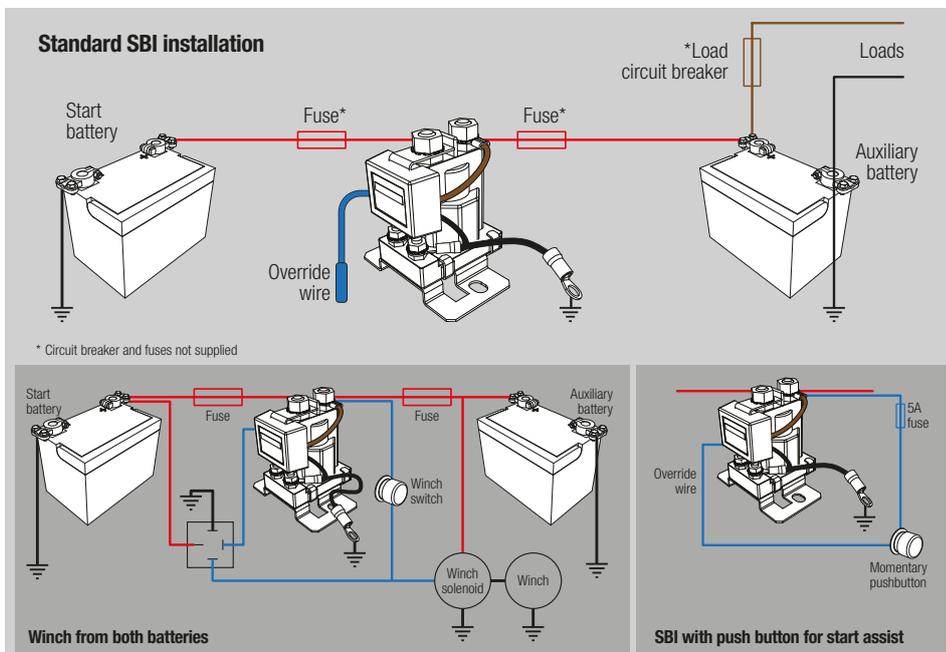
The Smart Start® SBI monitors the start battery and the charging system. When the start battery reaches 13.2 volts on a 12 volt system (26.4 volts on a 24 volt system) the solenoid will connect the auxiliary battery to the charging system. Once the engine has been turned off the Smart Start® SBI monitors the start battery voltage and, when this drops below 12.7 volts on a 12 volt system (25.4 volts on a 24 volt system), the solenoid will turn off, isolating the start battery from the auxiliary battery.

The Smart Start® SBI features sophisticated fault detection and LED indication of operation to warn the user of faults that include over-voltage, voltage drop and excessive current draw conditions. It also features power saving technology. This means the unit will only draw approximately 120 milliamps when on and generate less heat allowing it to operate at a much cooler temperature.

The Smart Start® SBI is better than a diode battery isolator due to the voltage drop associated with diode type isolation.

The solenoid features silver contacts for longer life and is suitable for marine applications.

The Smart Start® SBI incorporates electronic components that will prevent the solenoid from generating high voltage transients making it ideal for use on modern vehicles fitted with computer control systems.



Specifications

Part number	SBI12	SBI24	SBI212	SBI224
Turn-on voltage	13.2V	26.4V	13.2V	26.4V
Turn-off voltage	12.7V	25.4V	12.7V	25.4V
Continuous load rating	100A	100A	200A	200A
Inrush load rating	400A	400A	600A	600A
Standby current	<4mA	<4mA	<4mA	<4mA
Dimensions	75 x 70 x 80mm	75 x 70 x 80mm	90 x 95 x 100mm	90 x 95 x 100mm
Weight	300g	300g	800g	800g

Fuse size recommendations

	Fuse recommended for pushbutton override	Fuse recommended for no override
SBI12/SBI24	100 amps	60 amps
SBI212/SBI224	200 amps	120 amps

Gauge value packs

For monitoring a dual battery setup



SBI12-GK
Smart Start Battery Isolator with dual voltage gauge



SBI12KIT-GK
Smart Start dual battery isolator and wiring kit with dual voltage gauge

Smart Start® dual battery isolator and wiring kit

The Smart Start® Dual Battery Isolator and Wiring Kit (part number SBI12KIT) comes with everything needed to install a Smart Start® Dual Battery Isolator including the Smart Start® itself. Perfectly suited to the DIYer, the SBI12KIT requires no crimping or soldering, it's just plug and play. The SBI12KIT features high quality MIDI 60 amp fuses and MTA fuse holders with the corresponding ring terminals already attached to the wires.



Visit redarc.com.au for more information. SBI Smart Battery Isolators are available at your nearest auto electrician or 4WD specialty store.

Want to know more?

Scan this QR code with your smartphone to go to the Redarc website



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