

REDARC SBI12

REDARC Smart Start SBI12 12V 100A Instruction Manual

Model: SBI12

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the REDARC Smart Start SBI12 12V 100A Battery Isolator. The SBI12 is a microprocessor-controlled device designed to manage dual battery systems by protecting the primary (start) battery from excessive discharge while allowing the auxiliary battery to power non-essential loads. It functions as a solenoid priority system, ensuring efficient charging of your secondary battery when the vehicle is in motion.

2. PRODUCT OVERVIEW

The REDARC Smart Start SBI12 offers advanced battery management for 12V dual battery systems, providing a continuous rating of 100A. Key features include:

- **Microprocessor Control:** Ensures precise management of battery charging and isolation.
- **Solenoid Priority System:** Optimizes charging for the auxiliary battery.
- **Overmold Design:** Provides enhanced durability and protection.
- **Compact Size:** Facilitates easy installation in various vehicle types.
- **Silver Contacts:** Ensures extended lifespan and suitability for marine environments.
- **Power Saving Technology:** Minimizes current draw when in standby.
- **Fault Indication:** LED indicators provide warnings for conditions such as voltage drops, over-voltage, and excessive current.
- **Fully Surge Protected:** Guards against electrical surges.

Unlike diode-type isolators, the SBI12 avoids voltage drop issues, ensuring more efficient power transfer.

3. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before installing or operating the REDARC Smart Start SBI12. Failure to do so may result in injury, damage to the product, or damage to your vehicle.

- Always disconnect the vehicle's main battery before performing any electrical work.
- Ensure all wiring is correctly sized for the current draw and properly fused.
- Wear appropriate personal protective equipment, including eye protection and gloves.
- Avoid installing the unit in areas exposed to extreme heat, moisture, or corrosive substances unless specifically designed for such environments.
- Consult a qualified auto electrician if you are unsure about any aspect of the installation.
- This product is designed for 12V DC systems only. Do not connect to other voltage systems.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your SBI12. The unit should be mounted securely in a dry, well-ventilated area, away from direct heat sources.

4.1 Component Identification



Image 4.1.1: Front view of the REDARC Smart Start SBI12 battery isolator, showing the red housing with the REDARC

logo and "Designed and manufactured in Australia" text, along with the main terminals and wiring connections.



Image 4.1.2: Side view of the REDARC Smart Start SBI12, illustrating the compact design and the robust terminals with protective caps.



Image 4.1.3: Another side view of the REDARC Smart Start SBI12, highlighting the wiring connections including the ground wire labeled "GND".

4.2 Wiring Diagram

The following diagram illustrates a standard installation for the Smart Start SBI12 in a dual battery system.

Smart Start® standard installation

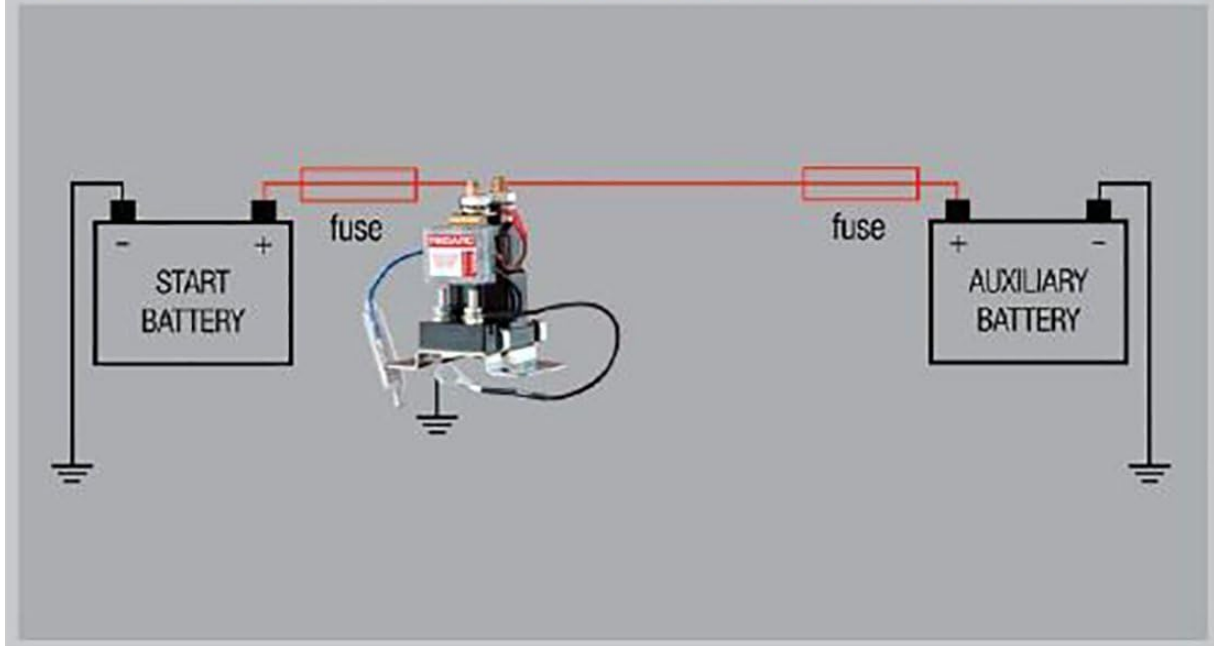


Image 4.2.1: Standard installation wiring diagram for the REDARC Smart Start SBI12. It shows the connection between the start battery and the auxiliary battery via the SBI12, with fuses on both positive lines and ground connections for both batteries and the isolator.

- Connect the primary battery positive terminal to one of the main terminals on the SBI12 via a suitably rated fuse.
- Connect the auxiliary battery positive terminal to the other main terminal on the SBI12 via a suitably rated fuse.
- Connect the thin black wire from the SBI12 to a good chassis ground point.
- Ensure all connections are clean, tight, and protected from environmental elements.
- Use appropriate gauge wiring for the expected current draw (e.g., #4 pure copper wire for 60A fuse as suggested by a user review, but always refer to specific wiring guidelines for your application).

4.3 Pre-Installation Checks

- Verify that both the start and auxiliary batteries are in good condition.
- Confirm that the vehicle's charging system is functioning correctly.
- Gather all necessary tools and materials, including fuses, wiring, terminals, and mounting hardware.

5. OPERATING INSTRUCTIONS

The REDARC Smart Start SBI12 operates automatically to manage your dual battery system.

- **Automatic Engagement:** When the vehicle's engine is running and the primary (start) battery reaches a sufficient charge level (typically around 13.2V for 12V systems), the SBI12 will automatically engage, connecting the auxiliary battery to the charging system. This allows the auxiliary battery to be charged.
- **Automatic Disengagement:** When the engine is turned off and the primary battery voltage drops below a preset threshold (typically around 12.7V), the SBI12 will disengage, isolating the auxiliary battery. This prevents the auxiliary battery from drawing power from the primary battery, ensuring the primary battery remains charged for starting the vehicle.
- **Emergency Start/Bridging Function:** Some SBI12 models may include a manual override or

emergency start feature, allowing you to temporarily bridge the two batteries. Consult your specific product documentation or REDARC support for details on this function if present.

- **LED Indicator:** The SBI12 features an LED indicator that provides visual feedback on its operational status and any detected faults. Refer to the troubleshooting section for interpreting LED signals.

6. MAINTENANCE

The REDARC Smart Start SBI12 is designed for minimal maintenance. However, periodic checks are recommended to ensure optimal performance:

- **Visual Inspection:** Regularly inspect the unit and all wiring connections for signs of corrosion, damage, or loose terminals.
- **Cleanliness:** Keep the unit free from dirt, dust, and moisture. Use a dry cloth for cleaning.
- **Terminal Checks:** Ensure all battery terminals and connections to the SBI12 are clean and tight.
- **Fuse Inspection:** Periodically check the fuses in the positive lines to both batteries for continuity and proper rating.

7. TROUBLESHOOTING

The SBI12 incorporates fault detection and an LED indicator to assist with troubleshooting.

Symptom / LED Indication	Possible Cause	Solution
SBI12 not engaging (auxiliary battery not charging)	<ul style="list-style-type: none">◦ Primary battery voltage too low.◦ Loose or corroded connections.◦ Blown fuse.◦ Faulty ground connection.	<ul style="list-style-type: none">◦ Check primary battery charge.◦ Inspect and clean all connections.◦ Check and replace fuses if necessary.◦ Verify ground connection integrity.
LED indicates fault (e.g., flashing pattern)	<ul style="list-style-type: none">◦ Voltage drop detected.◦ Over-voltage condition.◦ Excessive current draw.◦ Internal fault.	<ul style="list-style-type: none">◦ Check wiring for resistance, ensure proper gauge.◦ Verify vehicle charging system output.◦ Reduce load on auxiliary battery or check for short circuits.◦ Contact REDARC support if issues persist after checking external factors.
SBI12 remains engaged when engine is off	<ul style="list-style-type: none">◦ Faulty unit.◦ Incorrect wiring.	<ul style="list-style-type: none">◦ Verify wiring against diagram.◦ Contact REDARC support.

For detailed fault code interpretations or persistent issues, refer to the official REDARC documentation or contact their technical support.

8. SPECIFICATIONS

Model Number	SBI12
Brand	REDARC
Voltage	12 Volts DC
Continuous Rating	100 Amps
Item Weight	9.1 ounces (approx. 258 grams)
Package Dimensions	3.7 x 2.99 x 2.95 inches (approx. 9.4 x 7.6 x 7.5 cm)
Manufacturer Part Number	SBI12

9. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your REDARC Smart Start SBI12 or visit the official REDARC website.



If you require technical assistance, have questions about installation, or need help choosing the best dual battery setup for your needs, REDARC offers support resources.

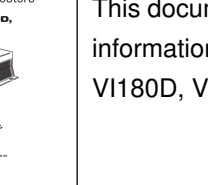
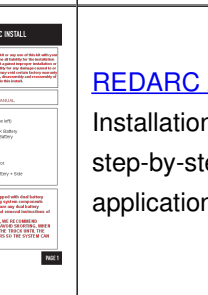


REDARC Support:

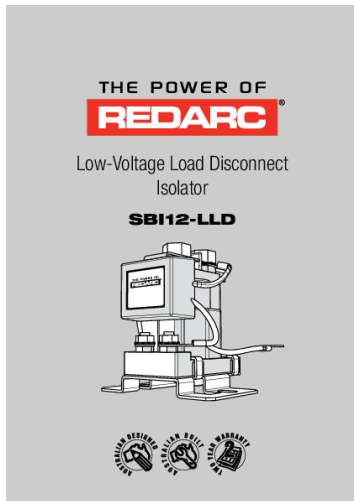
- Visit the official [REDARC Store on Amazon](#) for product information.
- Consult the free [REDARC dual battery selector](#) tool (external link, check REDARC website for current URL).
- Contact REDARC directly through their official website for technical support.

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Related Documents - SBI12

 <p>THE POWER OF REDARC Smart Start® Battery Isolator SBI12, SBI24 SBI212, SBI224 & dual sensing models</p>	<p>REDARC Smart Start Battery Isolator SBI12, SBI24, SBI212, SBI224 - Installation, Operation, and Safety Manual</p> <p>Comprehensive guide for the REDARC Smart Start Battery Isolator, covering models SBI12, SBI24, SBI212, SBI224, and dual sensing variants. Includes specifications, installation instructions, wiring diagrams, fault diagnosis, FAQs, safety precautions, and warranty information.</p>
 <p>ENBAUANLEITUNG - by GPC-OFFROAD.com GPC Montagekit für REDARC ALPHA R 50A Modell: INEOS GRENADIER</p>	<p>GPC Mounting Kit for REDARC ALPHA R 50A - INEOS GRENADIER Installation Guide</p> <p>Detailed installation guide for the GPC mounting kit for the REDARC ALPHA R 50A dual battery system, specifically for the INEOS GRENADIER vehicle. Includes step-by-step instructions, safety warnings, and commissioning details.</p>

 <p>THE POWER OF REDARC 12V to 24V Single Circuit Voltage Boosters VI180D, VI360D, VI720D</p>	<p>REDARC 12V to 24V Single Circuit Voltage Boosters: VI180D, VI360D, VI720D User Manual</p> <p>This document provides detailed specifications, features, installation guidance, and warranty information for REDARC's VI Series 12V to 24V Single Circuit Voltage Boosters, including models VI180D, VI360D, and VI720D.</p>
 <p>REDARC ALPHA 50 BCDC INSTALL</p> <p>BEFORE STARTING:</p> <p>TOOLS NEEDED:</p> <p>INCLUDES IN THIS KIT:</p>	<p>REDARC ALPHA 50 BCDC Installation Guide</p> <p>Installation guide for the REDARC ALPHA 50 BCDC dual battery system mounting kit, providing step-by-step instructions, tools needed, included components, and wiring guidance for vehicle applications.</p>
 <p>THE POWER OF REDARC SOLAR Solar Regulator SRPA0120 SRPA0240 SRPA0360</p>	<p>REDARC SRPA Series Solar Regulators: SRPA0120, SRPA0240, SRPA0360 - User Manual & Specs</p> <p>Get detailed information on REDARC's SRPA series PWM solar regulators (SRPA0120, SRPA0240, SRPA0360). This manual covers installation, safety, specifications, system wiring, and warranty for 12V and 24V battery systems.</p>
 <p>HBA1224 HBA1224-003 HANDBRAKE ALARM</p> <p>FEATURES:</p> <p>NOTES:</p> <p>HANDBRAKE KIT OPTIONS:</p>	<p>REDARC HBA1224/HBA1224-003 Handbrake Alarm: Safety and Installation Guide</p> <p>Enhance vehicle safety with the REDARC HBA1224 and HBA1224-003 Handbrake Alarms. These 12V/24V automotive devices provide audible and visual warnings for unapplied handbrakes, preventing accidental rollaways. Features include compact size, latching alarm, and external output options. Detailed installation and wiring information available.</p>



[\[pdf\]](#) User Manual Instructions Diagram

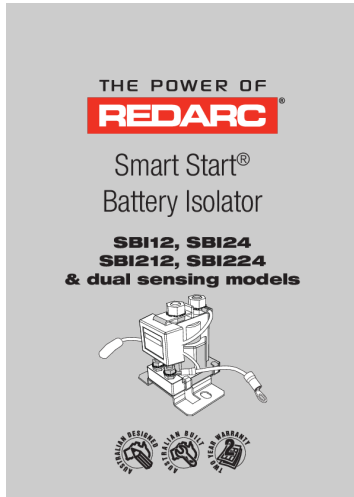
SBI12 LLD Low Voltage Load Disconnect Isolator Inverters R US Suitably sized Wire and fuses for the connected loads should be used REDARC recommend using MIDI along with a quality fuse holder to match The diagram SBI12 Manual Englishinvertersrus 2024 02 English srsItid

AfmBOorsiBhqtan8zmlwYEZsrASbicNI7 ZD1rNTAvBXnOy6LYQOHWCw USSBI12 diagram REDARC diagram below shows construction of installation cables not SBI12 EnglishSBI12

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AfmBOopCKNuyTzxNeJNyEuk996UGeN8Nzv8Zj3M9jT29ZKD1b2sBOpQL ||| ||| Low-Voltage Load Disconnect Isolator SBI12-LLD WARNING SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS - THIS MANUAL CONTAINS IMPORTANT SAFETY INSTRUCTIONS FOR THE SBI12-LLD BATTERY ISOLATOR. DO NOT OPERATE THE ISOLATOR UNLESS YOU HAVE READ AND Low-Voltage Load Disconnect Isolator **SBI12-LLD** WARNING SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS - THIS MANUAL CONTAINS IMPORTANT SAFETY INSTRUCTIONS FOR THE **SBI12-LLD** BATTERY ISOLATOR. DO NOT OPERATE THE ISOLATOR UNLESS YOU HAVE READ AND UNDERSTOOD THIS MANUAL AND THE ISOLATOR IS INSTALLED AS...

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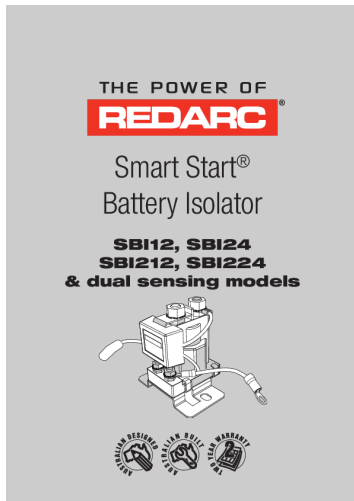


[\[pdf\]](#) User Manual Specifications

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Smart Start Battery Isolator **SBI12**, SBI24 SBI212, SBI224 dual sensing models THE SMART START SBI The Smart Start SBI is a microprocessor controlled Smart Battery Isolator. The Smart Start SBI is designed specifically for use in multi battery applications as a solenoid priority system to protect ...

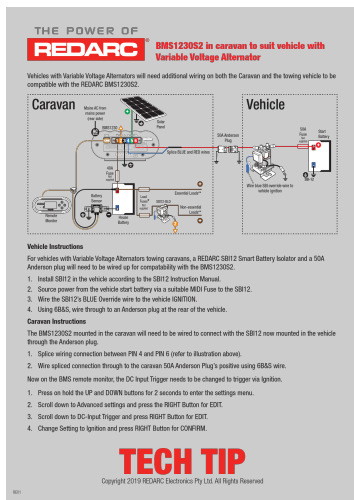
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[REDARC Smart Start Battery Isolator SBI12, SBI24, SBI212, SBI224 - Installation, Operation, and Safety Manual](#)

Comprehensive guide for the REDARC Smart Start Battery Isolator, covering models SBI12, SBI24, SBI212, SBI224, and dual sensing variants. Includes specifications, installation instructions, wiring diagrams, fault diagnosis, FAQs, safety precautions, and warranty information.

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[\[pdf\] User Manual Owner's Manual Installation Guide Instructions Guide](#)

Download the wiring guide here TECH TIP Install SBI12 in vehicle according to Instruction Manual 2

Source power from start battery via a suitable MIDI Fuse 3 REDARC BMS installed Caravan with Variable Voltage Alternator redarc au Content Images uploaded Handy Hints Redarc Electronics manual for appropriate wire gauge and fuse ratings The CAN system is designed operate based devices only WARNING Before obtaining access terminals all supply circuits must be disconnected Solar Panel Essential Loads Remote Monitor BMS1230 Mains AC mains rear side MAINS Non essential House 29 mar 2019 — Vehicle Instructions For vehicles Alternators towing caravans Smart Battery Isolator 50A ||| BMS1230S2 in caravan to suit vehicle with Variable Voltage Alternator Vehicles with Variable Voltag ... 40A Fuse Not supplied Battery Sensor House Battery Load Fuses* Not supplied Essential Loads** **SBI12**-BLD Non-essential Loads** 2 Wire blue SBI override wire to vehicle ignition SBI-12 Vehi...

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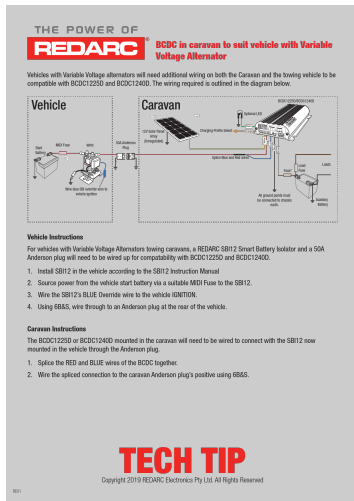


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THE MANAGER Battery Management System BMS1230S3R THE MANAGER30 The Manager30 Battery Management S ... Equivalent 8 B S 6 B S Figure 2.3.2.1 - Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil...

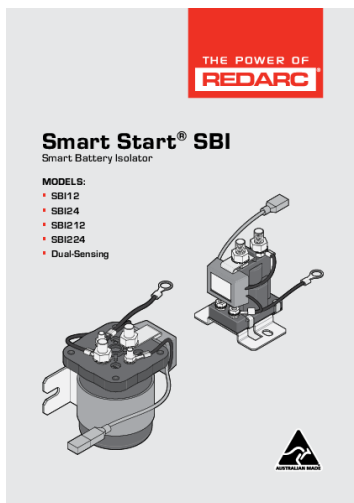
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[\[pdf\] User Manual Installation Guide Instructions Guide Diagram](#)

TEC TI 1 Install SBI12 in the vehicle according to Instruction Manual 2 Source power from start battery via a suitable MIDI Fuse 3 Wire s BLUE Override wire IGNITION 4 Using 6B S through an Anderson plug at rear of Caravan Instructions REDARC BCDC installation caravan with Variable Voltage Alternator redarc au Content Images uploaded Handy Hints Vehicle Electronics 29 mar 2019 — For vehicles Alternators towing caravans Smart Battery Isolator and 50A Wiring Guide LC200 Aux anderson using following fuses wiring FK60 for Anderson6 B cable between SBI also 6 remaining Please see here ||| BCDC in caravan to suit vehicle with Variable Voltage Alternator Vehicles with Variable Voltage alt ... BCDC1225D and BCDC1240D. The wiring required is outlined in the diagram below. Vehicle MIDI Fuse **SBI12** Start Battery 3 Caravan INPUT 50A Anderson Plug 12V Solar Panel Array Unregulated INP...

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SBI12D Instruction Manual REDARC Dual Sensing Smart Start Battery Isolator 12V 100A SBI English invertersrus 2024 02 |||

Smart Start SBI Smart Battery Isolator MODELS: **SBI12** SBI24 SBI212 SBI224 Dual-Sensing WARNINGS SAFETY INSTRUCTIONS Save these instructions -- this manual contains important safety instructions. Do not operate the system unless you have read and understood this manual. REDARC recommends that...

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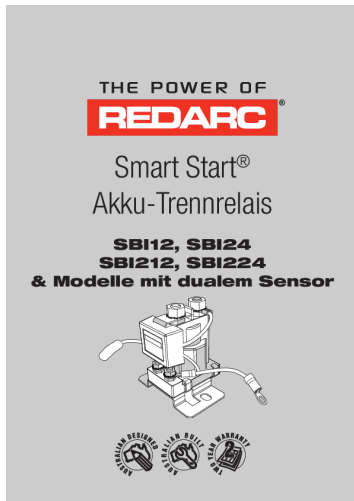


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THE MANAGER Battery Management System BMS1230S3 THE MANAGER30 The Manager30 Battery Management Sy ... er Equivalent 8 B S 6 B S Figure 2.3.2 - Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil...

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THE MANAGER Battery Management System BMS1230S3-NA THE MANAGER30

The Manager30 Battery Management ... Sectional Area mm 8 13 Figure 2.3.2.1:

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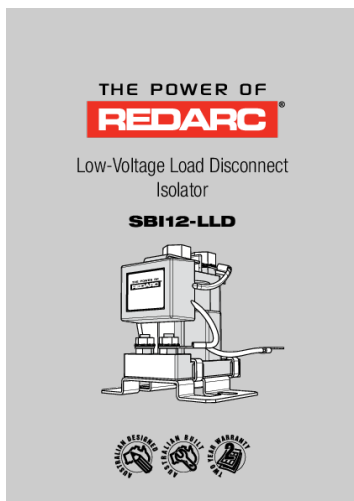


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Manual REDARC Manager30 6 products in one innovative design Solar PV 520W Max 32V BMS1230S3

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THE MANAGER Battery Management System BMS1230S3 THE MANAGER30 The Manager30 Battery Management Sy ... Diameter Equivalent 8 B S 6 B S Table 2: Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil... lang:en score:44 filesize: 1.25 M page_count: 40 document date: 2023-05-10



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REDARC Low Voltage Load Disconnect Isolator Inverters R US SBI12 LLD Manual English invertersrus 2024 02 |||

Low-Voltage Load Disconnect Isolator **SBI12**-LLD WARNING SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS - THIS MANUAL CONTAINS IMPORTANT SAFETY INSTRUCTIONS FOR THE **SBI12**-LLD BATTERY ISOLATOR. DO NOT OPERATE THE ISOLATOR UNLESS YOU HAVE READ AND UNDERSTOOD THIS MANUAL AND THE ISOLATOR IS INSTALLED AS... lang:en score:43 filesize: 631.32 K page_count: 10 document date: 2023-05-23



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Revolution Power Entry Level 100Ah Low Draw Lithium Battery Redarc Manager30 Solution Caravan
Electrical REDARC BMS1230S3 Instruction Manual mygenerator au media |||
THE MANAGER Battery Management System BMS1230S3 THE MANAGER30 The
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The Manager30 Battery Management ... Equivalent 8 B S 6 B S Figure 2.3.2.1 -
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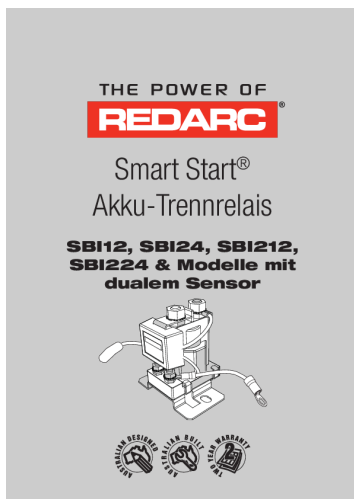
THE MANAGER Battery Management System BMS1230S3 THE MANAGER30 The Manager30 Battery Management Sy ... Diameter Equivalent 8 B S 6 B S Table 2: Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil... lang:en **score:41** filesize: 9.93 M page_count: 40 document date: 2024-06-14



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THEMANAGER Shopify 3 USER Guide 23 1 Remote Monitor 2 Understanding the Display REDARC Manager30 Manual NA v 1595977534 cdn shopify s files 2204 8993

THE MANAGER Battery Management System BMS1230S2-NA THE MANAGER30 The Manager30 Battery Managemen ... 1.5m 5ft 10 6 Gauge Figure 2.3.2 - Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil... lang:en **score:40** filesize: 1.73 M page_count: 40 document date: 2020-07-28



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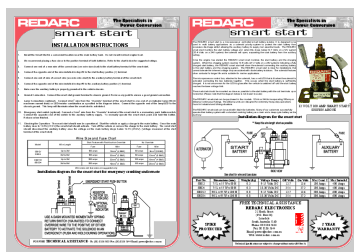
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THE MANAGER Battery Management System BMS1230S3 THE MANAGER30 The Manager30 Battery Management Sy ... er Equivalent 8 B S 6 B S Figure 2.3.2 - Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil... lang:en **score:38** filesize: 1.91 M page_count: 40 document date: 2019-12-18

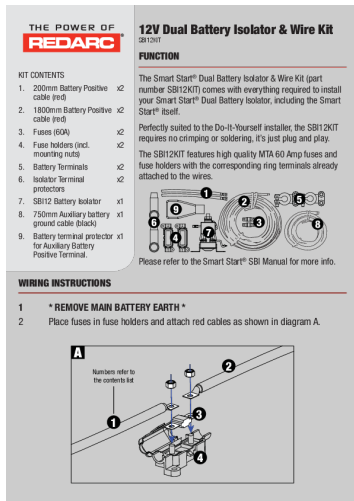


[\[pdf\]](#) Instructions Diagram

smart start instruction sheet B5 2 pub mcobst smartstart techspec redarc au

smart start INSTALLATION INSTRUCTIONS 1. Mount the Smart Start in a convenient location near the m ... 5.4V . Voltage measured at the start terminal of the smart start Wire Size and Fuse Chart Model **SBI12**/ SBI24 SBI212/ SBI224 Wire Length Up to 3M 3M to 6M Up to 3M 3M to 6M Start Feature with Pus...

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Redarc Car Stereo Video Installation Parts Instruction Sheet car stereo installation parts video amplifier speaker dash kits harnesses antennas interfaces connectors tools adapters cables CARiD sbi12kit instruction sheet images carid redarc items |||

KIT CONTENTS 1. 200mm Battery Positive x2 cable red 2. 1800mm Battery Positive x2 cable red 3. Fuses 60A x2 4. Fuse holders incl. x2 mounting nuts 5. Battery Terminals x2 6. Isolator Terminal x2 protectors 7. **SBI12** Battery Isolator x1 8. 750mm Auxiliary battery x1 ground cable ...

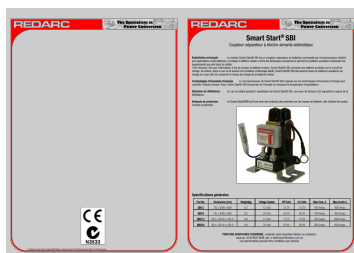
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THEMANAGER Redarc Electronics or user and damage to the Battery Charger other equipment installed in system The installer is responsible for ensuring that correct cable fuse sizes are used when installing this 6 When charging a battery make sure settings at Setup menu on Display REDARC BMS1230S3R Instruction Manual redarc au Content Images uploaded My Generator DO NOT OPERATE THE BATTERY CHARGER UNLESS YOU HAVE READ AND UNDERSTOOD THIS MANUAL IS INSTALLED AS PER

THE MANAGER Battery Management System BMS1230S3R THE MANAGER30 The Manager30 Battery Management S ... Equivalent 8 B S 6 B S Figure 2.3.2.1 - Recommended output cable size REDARC recommend using the **SBI12**-BLD as the 12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simil... lang:en score:37 filesize: 3.8 M page_count: 40 document date: 2019-12-04

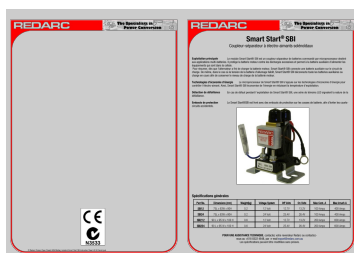


[\[pdf\]](#) Dimension Guide

Dylan Pinkard smart start instruction sheet a5 6 fr redarc au images files

R: Redarc Product Spec Sheets NEW Battery Isolators Smart Start SBI Instruction Sheet-A5-6 French.pub Part No. **SBI12** SBI24 SBI212 SBI224 Dimensions mm 75L x 63W x 80H 75L x 63W x 80H 90 L x 95 W x 100 H 90 L x 95 W x 100 H Weight kg 0.2 0.2 0.6 0.6 Voltage System 12 Volt 24 Volt 12 Volt 24 Vo...

lang:en score:37 filesize: 1.68 M page_count: 2 document date: 2011-12-05



[\[pdf\]](#) Dimension Guide

Dylan Pinkard Smart Start Instruction Sheet A5 6 French redarc au static files

R: Redarc Product Spec Sheets NEW Battery Isolators Smart Start SBI Instruction Sheet-A5-6 French.pub Part No. **SBI12** SBI24 SBI212 SBI224 Dimensions mm 75L x 63W x 80H 75L x 63W x 80H 90 L x 95 W x 100 H 90 L x 95 W x 100 H Weight kg 0.2 0.2 0.6 0.6 Voltage System 12 Volt 24 Volt 12 Volt 24 Vo...

lang:en score:37 filesize: 1.72 M page_count: 2 document date: 2011-10-31

[\[pdf\]](#) User Manual Instructions Specifications Label

SAL FOR Instruction Manual BMS1230S2 v3 indd dpinkard REDARC SAVE THESE INSTRUCTIONS
This manual contains IMPORTANT SAFETY for The Manager30 battery management system DO NOT
redarc au Content Images uploaded Manuals Battery Management System Redarc Electronics Version 3
1 2 WARNINGS 8 When using the Charger to charge a Lithium Iron Phosphate only batteries that feature
an inbuilt featuring under and over voltage protection cell balancing are suitable save these instructions
this important safety manager30 do not operate charger unless you have read understood is installed as
per installation recommends The images 5 INTRODUCTION General Description designed offer
complete solution charging maintenance needs recreational automotive applications Bms 1230 Supa Stik
Labels Im n Solar panel problem Pajero 4WD Club of Victoria Public Forum 9V if I m reading specs
correctly! BCDC 1240 Section 1240D 4 |||

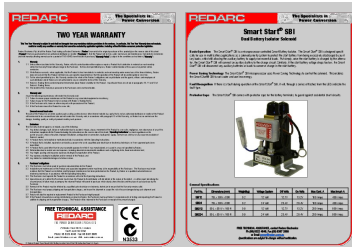
THE MANAGER Battery Management System BMS1230S2 THE MANAGER30 The
Manager30 Battery Management Sy ... ommended output cable size Recommended
Diameter Equivalent 8 B S 6 B S REDARC recommend using the **SBI12**-BLD as the
12V relay for setting up the Load Disconnect Feature for Non-Essential Loads. Simi...
lang:en score:37 filesize: 1.12 M page_count: 40 document date: 2017-08-01



[\[pdf\]](#) Datasheet Warranty

Smart Start Instruction Sheet A5 5 dpinkard Operation Installation Manuals Datasheets Rainbow Power
Companycdn shopify s files 1 0755 7165 9042 |||

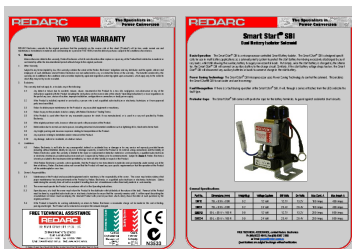
TWO YEAR WARRANTY This Two Year Warranty is subject to and shall not
derogate from any mandatory st ... he battery terminals, to guard against accidental
short circuits. General Specifications Part No. **SBI12** SBI24 SBI212 SBI224
Dimensions mm 75L x 63W x 80H 75L x 63W x 80H 90 L x 95 W x 100 H 90 L ...
lang:en score:37 filesize: 491.22 K page_count: 2 document date: 2011-04-14



[\[pdf\]](#) Warranty

Smart Start Instruction Sheet A5 3 dpinkard redarc au 80 static files

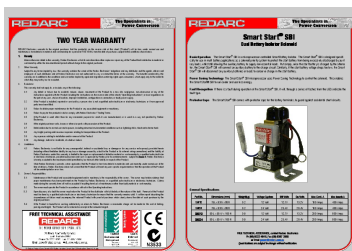
TWO YEAR WARRANTY REDARC Electronics warrants to the original purchaser
that the product s on the ... he battery terminals, to guard against accidental short
circuits. General Specifications Part No. **SBI12** SBI24 SBI212 SBI224 Dimensions
mm 75L x 63W x 80H 75L x 63W x 80H 90 L x 95 W x 100 H 90 L ...
lang:en score:36 filesize: 2.02 M page_count: 2 document date: 2009-07-01

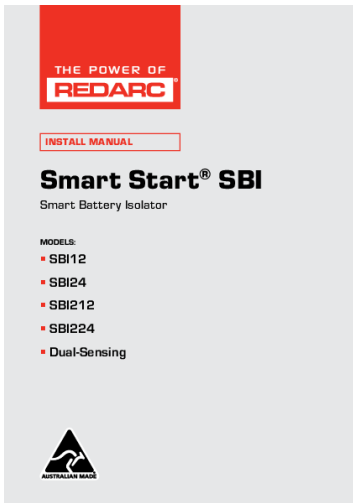


[\[pdf\]](#) Warranty

Smart Start Instruction Sheet A5 4 dpinkard redarc au 80 static files

TWO YEAR WARRANTY REDARC Electronics warrants to the original purchaser
that the product s on the ... he battery terminals, to guard against accidental short
circuits. General Specifications Part No. **SBI12** SBI24 SBI212 SBI224 Dimensions
mm 75L x 63W x 80H 75L x 63W x 80H 90 L x 95 W x 100 H 90 L ...
lang:en score:36 filesize: 2.13 M page_count: 2 document date: 2010-04-28



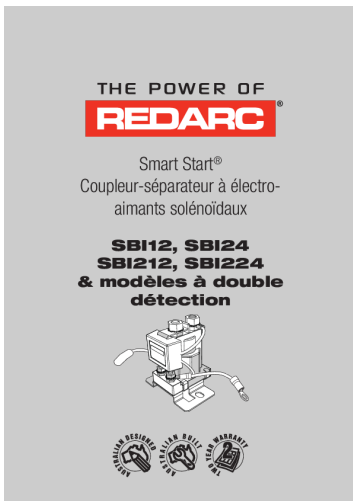


[pdf] User Manual Installation Guide Instructions Guide

SBI12D Install Guide EN DE ES FR IT PL AR REDARC Dual Sensing Smart Start Battery Isolator 12V 100A SBI invertersrus 2024 02 |||

INSTALL MANUAL Smart Start SBI Smart Battery Isolator MODELS: **SBI12** SBI24 SBI212 SBI224 Dual-Sensing EN English 24 IT Italiano 1416 DE Deutsch 57 PL polski 1719 ES Espaol 810 AR Arabic 2022 FR francais 1113 ENGLISH PRODUCT FUNCTION The Smart Start SBI is a microprocessor controlled ...

lang:en score:36 filesize: 13.84 M page_count: 23 document date: 2023-08-31

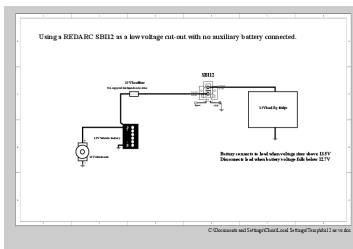


[pdf] User Manual

SAL FOR Instruction Manual SBI12 7 French indd dpinkard REDARC Le module Smart Start® SBI est un coupleur séparateur de batteries commandé par microprocesseur destiné aux applications multi Il protège la sbi12 instruction manual french v7 redarc au images files

...

lang:en score:36 filesize: 626.14 K page_count: 10 document date: 2014-12-11

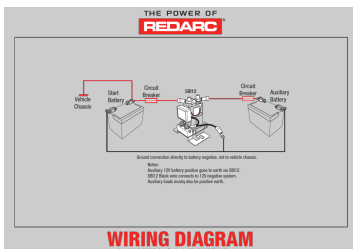


[pdf]

ENGINEERING sbi12 redarc au

1 2 3 4 5 Using a REDARC **SBI12** as a low voltage cut-out with no auxiliary battery connected. D 6 D **SBI12** 12V Load fuse 50A suggested, but depends on load size A UX ILIA RY BA TT ERY ST AR T/R UN C C BA TT ERY SBI1 2 B ypass GND 12Vload, E.g. fridge 12VVehicle battery B 12V Al te rna...

lang:so score:35 filesize: 60.85 K page_count: 1 document date: 2006-10-24

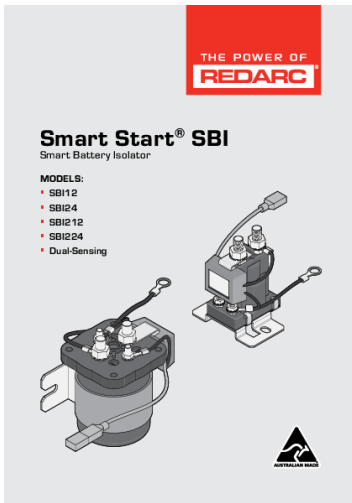


[pdf] Diagram

SBI12 Positive Chassis Setup sbi12 positive chassis setup redarc au images files

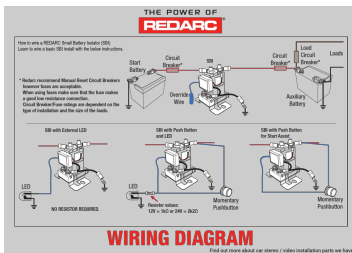
Start Circuit Breaker **SBI12** Vehicle Battery Chassis Circuit Breaker Auxiliary Battery Ground connection directly to battery negative, not to vehicle chassis. Notes: Auxiliary 12V battery positive goes to earth via **SBI12**. **SBI12** Black wire connects to 12V negative system. Auxiliary loads mustq...

lang:so score:35 filesize: 525.27 K page_count: 1 document date: 2013-01-31



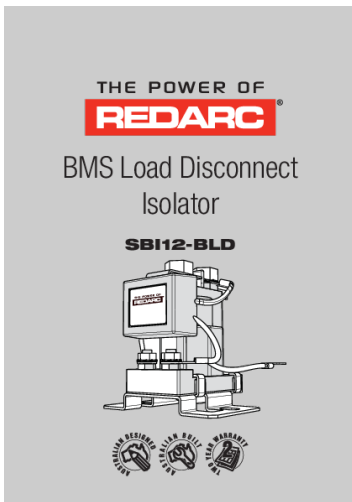
[\[pdf\]](#) User Manual Instructions

Smart Start® SBI Inverters R USREDARC recommends that the referenced in this manual be installed by a suitably qualified person Disclaimer REDARC accepts no liability SBI Manual Englishinvertersrus 2024 02 English srsltid AfmBOocw9MqFUHszwEDFMxL2imaw6xqHaf1d4sJYBDX8oQtfjenPrD7 ||| Smart Start SBI Smart Battery Isolator MODELS: **SBI12** SBI24 SBI212 SBI224 Dual-Sensing WARNINGS SAFETY INSTRUCTIONS Save these instructions -- this manual contains important safety instructions. Do not operate the system unless you have read and understood this manual. REDARC recommends that... lang:en score:34 filesize: 4.41 M page_count: 6 document date: 2022-11-14



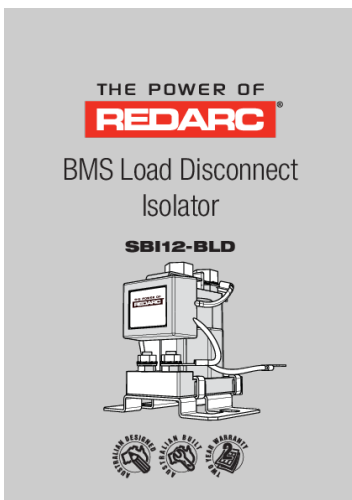
[\[pdf\]](#) User Manual Installation Guide Instructions Diagram

Redarc Car Stereo Video Installation Parts Instruction Sheet car stereo installation parts video amplifier speaker dash kits harnesses antennas interfaces connectors tools adapters cables CARiD sbi12 instruction sheet images carid redarc items ||| How to wire a REDARC Small Battery Isolator SBI Learn to wire a basic SBI install with the below instructions. Circuit Start Breaker* SBI Battery * Redarc recommend Manual Reset Circuit Breakers however fuses are acceptable. When using fuses make sure that the fuse makes a good low resistanc... lang:en score:34 filesize: 318.18 K page_count: 1 document date: 2020-02-27



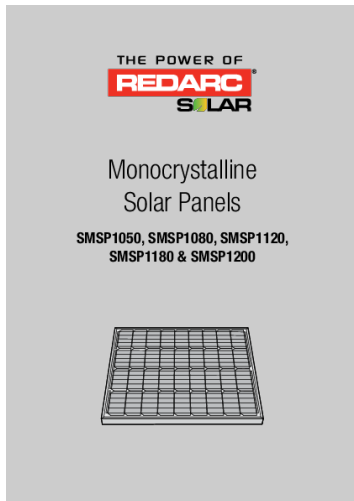
[\[pdf\]](#) User Manual Frequently Asked Questions Guide

BMS Load Disconnect Isolator redarc au 7 FREQUENTLY ASKED QUESTIONS Question Is the unit protected against voltage spikes Answer Yes SBI12 BLD incorporates a number of spike protection components specifically designed to reduce risk damaging The is also prevent any generated by solenoid coil from affecting vehicle equipment Instruction Manual Content Images uploaded Manuals Go Now Redarc View guide user manual Url REDARC Electronics DownloadFile Id 361 Attachment ||| ... lang:en score:34 filesize: 750.67 K page_count: 10 document date: 2020-08-03



[\[pdf\]](#) User Manual

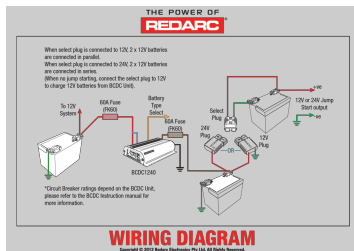
Instruction Manual REDARC BMS Load Disconnect Isolator REDSBI12 BLD SBI12 v 1592542133 cdn shopify s files 1 2204 8993 ||| ... lang:en score:34 filesize: 924.28 K page_count: 10 document date: 2018-04-04



[\[pdf\]](#) User Manual Instructions

Solar Panel 180W REDARC Fixed Manual cubcampers au |||

Monocrystalline Solar Panels SMSP1050, SMSP1080, SMSP1120, SMSP1180 SMSP1200 THE MONOCRYSTALLINE ... S LiFe PO4 PROFILE LITHIUM PROFILE 40A Fuse Not supplied Ignition Trigger 50A Fuse Not supplied **SBI12**-BLD Battery Sensor *3 House Battery Load Fuses*1 Not supplied Non-essential Loads*2 E... lang:en score:32 filesize: 1.21 M page_count: 20 document date: 2022-11-02

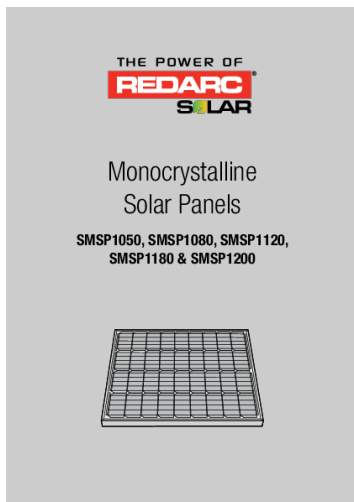


[\[pdf\]](#) User Manual Diagram

Dual Jump Start 12V BCDC Download Wiring Guides REDARC 24V JUMP START IN VEHICLE Learn to wire 12v 24v jump start in 12v vehicle See the four different options below showing you how get job done in no time! jumpstart 12v 10785447368937847115 cdn shopify s files 1 2204 8993 |||

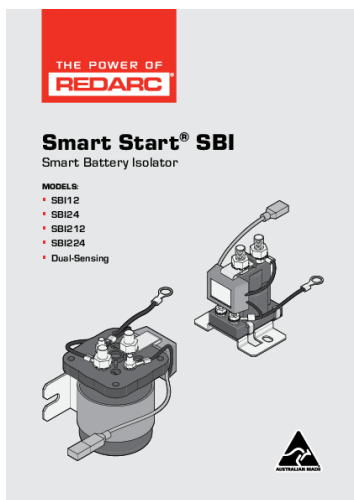
When select plug is connected to 12V, 2 x 12V batteries are connected in parallel. When select plug ... plug to 12V to charge 12V batteries from alternator system . To 12V System 100A Circuit Breaker **SBI12** Select Plug 24V Plug 12V Plug 100A OR Circuit Breaker ve 12V or 24V Jump Start outp...

lang:en score:31 filesize: 5.25 M page_count: 4 document date: 2014-05-19



[REDARC Monocrystalline Solar Panels: Models SMSP1050-SMSP1200 - Installation & Safety Guide](#)

Comprehensive guide to REDARC's Monocrystalline Solar Panels (SMSP1050, SMSP1080, SMSP1120, SMSP1180, SMSP1200), covering specifications, safety, installation, wiring, and warranty information for RV and caravan applications. lang:en score:30 filesize: 1.32 M page_count: 20 document date: 2022-11-02

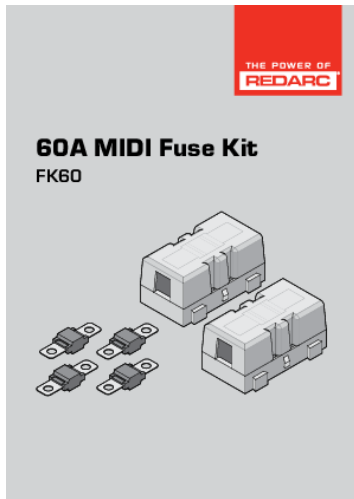


[\[pdf\]](#) User Manual Instructions

SBI Manual English cdn intelligencebank au share yE9N zJpl 4zqM7 original |||

Smart Start SBI Smart Battery Isolator MODELS: **SBI12** SBI24 SBI212 SBI224 Dual-Sensing WARNINGS SAFETY INSTRUCTIONS Save these instructions -- this manual contains important safety instructions. Do not operate the system unless you have read and understood this manual. REDARC recommends that...

lang:en score:29 filesize: 4.4 M page_count: 6 document date: 2024-04-19

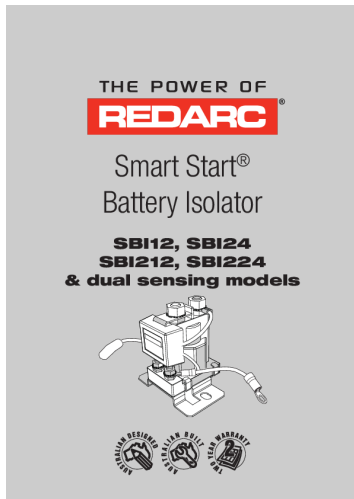


[\[pdf\]](#) User Manual Specifications Warranty

DocumentRedarc 60A Fuse Kit Battle Born BatteriesFK60 Manual Englishbattlebornbatteries 2024 08 FK60 English |||

60A MIDI Fuse Kit FK60 60A MIDI FUSE KIT The FK60 is designed to provide for a simple, neat fuse installation for dual battery systems. The FK60 is perfect for the BCDC1240D, BCDC1250D, BCDCN1240 and Smart Start SBI **SBI12** and SBI24 . 1 4 spare fuses 16mm 2 6mm 5 40mm 3 12mm KIT CONTENTS ...

lang:en score:29 filesize: 1.32 M page_count: 5 document date: 2022-10-13

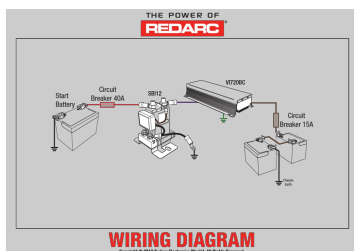


[\[pdf\]](#) User Manual Installation Guide Instructions

SAL FOR Instruction Manual SBI12 v12 indd dpinkard REDARC Connect the other terminal of momentary push button switch to auxiliary battery supply To manually operate Smart Start® SBI hold redarc au Content Images uploaded Manuals The is a microprocessor controlled Battery Isolator designed specifically for use in multi rdc sbi12 static summitracing global images instructions Start Redarc Electronics save these this manual contains important safety smart start® sbi isolator do not unless you have read and understood installed as per installation risk explosive gases working vicinity lead acid dangerous DOC424 Version 12 SAVE THESE INSTRUCTIONS This IMPORTANT SAFETY 2 INSTALLATION 1 Mount securely convenient location near start bank Do mount direct engine heat Install order described below † Make sure negative properly grounded vehicle chassis Instructions rvupgradestore v vspfiles assets SBI12KIT New Product Release 80

...

lang:en score:29 filesize: 658.08 K page_count: 10 document date: 2018-06-27



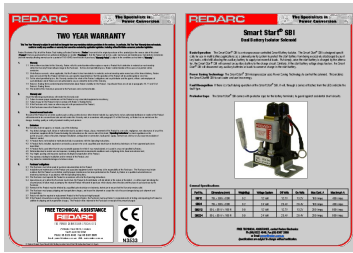
[\[pdf\]](#) Diagram

BCDC1240 Setup Solar vi720bc setup redarc au images files REDARC Circuit Start Breaker 40A Battery SBI12 Chassis Earth 15A VI720BC Title Created Date 6 13 2012 4 11 57 PM |||

Start Circuit Breaker 40A **SBI12** Battery VI720BC Circuit Breaker 15A Chassis Earth WIRING DIAGRAM Copyright 2012 Redarc Electronics Pty Ltd. All Rights Reserved.

...

lang:en score:29 filesize: 634.94 K page_count: 1 document date: 2013-01-31



[\[pdf\]](#) Warranty

Smart Start Instruction Sheet A5 5 dpinkard TWO YEAR WARRANTY SBI Dual Battery Isolator Basic Operation ®The Start® is a microprocessor controlled The designed specifi cally for use in multi battery applications as solenoid priority system to protect the start from being excessively discharged by auxil rpc au redarc static files Spec Sheets

TWO YEAR WARRANTY This Two Year Warranty is subject to and shall not derogate from any mandatory st ... he battery terminals, to guard against accidental short circuits. General Specifications Part No. **SBI12** SBI24 SBI212 SBI224 Dimensions mm 75L x 63W x 80H 75L x 63W x 80H 90 L x 95 W x 100 H 90 L ... lang:en **score:28** filesize: 491.22 K page_count: 2 document date: 2011-04-14



[\[pdf\]](#) Installation Guide Flyer Borchure

Redarc 6037 SBI A4 brochure 190325 LR 2 redarc au Content Images uploaded Flyers REDARC Great spot to be... unless you have a flat battery The REDARC Smart Start SBI is a microprocessor ... ltage Turn-off voltage Continuous load rating Inrush load rating Standby current Dimensions Weight **SBI12 SBI12D** 13.2V 12.7V 100A 400A 5mA 75x70 x80mm 200g SBI24 SBI24D 26.4V 25.4V 100A 400A 5mA 75... lang:en **score:28** filesize: 623.31 K page_count: 2 document date: 2020-02-19



[\[pdf\]](#) Installation Guide Borchure

Redarc 6037 SBI A4 brochure 190325 LR 2 redarc au Content Images uploaded Great spot to be... unless you have a flat battery. The REDARC Smart Start SBI is a microprocessor ... ltage Turn-off voltage Continuous load rating Inrush load rating Standby current Dimensions Weight **SBI12 SBI12D** 13.2V 12.7V 100A 400A 5mA 75x70 x80mm 200g SBI24 SBI24D 26.4V 25.4V 100A 400A 5mA 75... lang:en **score:27** filesize: 1.16 M page_count: 2 document date: 2019-03-25

NEWS REDARC

NEW PRODUCTS

Redarc solve LED indicator failure detection problem

A large part of Redarc's success lies in our passionate focus on innovative product design and customer value. As a result of close relationships with our customers, we have identified a need to develop a microprocessor controlled solid state indicator failure detection LED module isolator, enabling compliance to CE2013. This product is designed for use in conjunction with an indicator switch as a 12V automotive system to provide an output to the vehicle test device indicator. It also provides a warning of indicator lamp failure to the vehicle.

The solid state indicator failure has a number of attractive features:

- Solid state switching with no moving contacts to wear out
- Operates the indicators of approximately 50 lamps per module

PRODUCT UPDATE

SmartStart battery isolator now with protector caps

SmartStart continues to lead the way with the new solid state isolator. Our philosophy is to ensure we listen to our customers when it comes to new product ideas and making product ideas with SmartStart and the addition of protector caps to every unit.

The caps are designed to eliminate an accidental shorting ground, for instance if a capacitor is placed or should fail across the contacts.

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NEWS REDARC new products Redarc solve LED indicator failure detection problem

A large part of R ... 1 - Using a VI720BC and a CE20 in a 12V vehicle for dual 12/24V jump starting Using the SmartStart **SBI12**, VI720BC battery charger and the CE20 charge equaliser in this manner enables the vehicle s st...

lang:en **score:27** filesize: 608.87 K page_count: 4 document date: 2012-06-27

NEWS REDARC

NEW PRODUCTS

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A large part of R ... 1 - Using a VI720BC and a CE20 in a 12V vehicle for dual 12/24V jump starting Using the SmartStart **SBI12**, VI720BC battery charger and the CE20 charge equaliser in this manner enables the vehicle s st...

lang:en **score:27** filesize: 679.23 K page_count: 4 document date: 2008-06-30

THE POWER OF REDARC

SBI SMART BATTERY ISOLATORS.

SIMPLE OFF-GRID POWER.

TORTURE TESTED.

EARLY PROBLEM.

POWER-SAVING TECHNIQUE.

REDARC

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REDARC-SBI-brochure-v1622598291733 cdn accentuate io 12385647179 3747868606577 REDARC-SBI-brochure-v1622598265926 12385734347 SIMPLE OFF-GRID POWER REDARC-SBI-brochure-v1622598237905 12384260235

SBI SMART BATTERY ISOLATORS. REDARCELECTRONICS.COM /SBI SIMPLE OFF-GRID POWER. TORTURE TESTED. E ... n a 24 volt system . SBI DUAL BATTERY ISOLATOR KIT. The SBI Dual Battery Isolator Kit part number **SBI12KIT** comes with everything needed to install a **SBI12** Dual Battery Isolator including the isolat...

lang:en **score:27** filesize: 1.16 M page_count: 4 document date: 2021-05-25