

BCDC IN-VEHICLE DUAL BATTERY CHARGERS.



THE POWER OF
REDARC

MORE POWER FOR YOUR ADVENTURE.

REDARCELECTRONICS.COM/BCDC



**TORTURE
TESTED.**



**EASY
INSTALL.**



**CHARGES
ON THE GO.**



BCDC IN-VEHICLE DUAL BATTERY CHARGERS.

The REDARC range of In-vehicle Dual Battery Chargers are ideal for anyone wanting to go off-grid, ensuring you have the battery power to use 12 or 24 volt equipment when travelling.

ALWAYS CHARGED AND READY TO GO.

REDARC's In-vehicle Dual Battery Charger range lets you charge your auxiliary battery while you're on the move using your vehicle's alternator and solar panels simultaneously.

With a built-in Maximum Power Point Tracking regulator you'll get the maximum available power from your solar panels at any given time.

BCDC In-vehicle Dual Battery Chargers ensure optimum performance of electrical equipment such as fridges, lights, CPAP machines and even hydraulic pumps when they're powered from a dual battery setup.

Compact in size, the BCDC can be mounted in a variety of places, from the engine bay to the inside or outside of a van or trailer. With fully-sealed electronics and fan-free cooling, water, dust and vibrations are no match for these chargers. The BCDC range has been tested and proven to work under the harshest conditions.

These unique DC to DC chargers ensure any battery is able to achieve and maintain an optimal charge.

- Multi-stage charging helps maximize battery life
- Proven to charge an auxiliary battery to 100% state of charge*
- Longer battery life
- Increase run time of loads like fridges and lights
- Allows for flexible installation in 12 or 24 volt vehicles
- Overcomes voltage drop caused by long cable runs

PEACE OF MIND.

The REDARC BCDC range features a wide 9 to 32 volt input range, allowing an auxiliary battery to be charged from either a 12 or 24 volt vehicle electrical system.

All models incorporate dual battery isolation as well as fault detection that includes protection against voltage spikes, overheating and reverse polarity connection, to ensure complete protection of your batteries.

UNIQUE CHARGING PROFILE.

Most vehicle alternators are not designed to fully charge an auxiliary battery. An insufficient charge rate will - at best - shorten the life and performance of the auxiliary battery but may result in a flat battery.

By employing a unique, multi-stage charging algorithm, REDARC In-vehicle Battery Chargers feature technology designed to fully charge auxiliary batteries to a proven 100%*.

The advanced electronics in REDARC's BCDC In-vehicle Dual Battery Chargers constantly monitor the vehicle battery input charge to ensure that your auxiliary battery always receives the ideal voltage and current for maximum battery life and performance.

12 VOLT CHARGERS.

The award-winning 12 volt chargers, available in 25, 40 and 50 amp models, have vehicle DC and solar inputs, making installation easy.

They will charge from solar and the vehicle's start battery simultaneously and are compatible with fixed, temperature compensating and variable voltage (smart) alternators and work with 12 and 24 volt vehicle electrical systems.

The range also provides specific charging profiles for all common battery types including AGM, gel, standard lead acid, calcium and lithium iron phosphate (LiFePO₄) batteries.

24 VOLT CHARGER.

The BCDC2420 is ideally suited for commercial applications and charges 24 volt battery banks used for powering electric hydraulic pumps, tailgate lifters, spreader decks, ramps and sleeper cab air conditioning systems.

It features a fully integrated MPPT solar regulator and charges AGM, gel, calcium content, VRLA and standard lead acid batteries.

To be able to connect solar to your BCDC2420 you require a PK1260 relay kit.

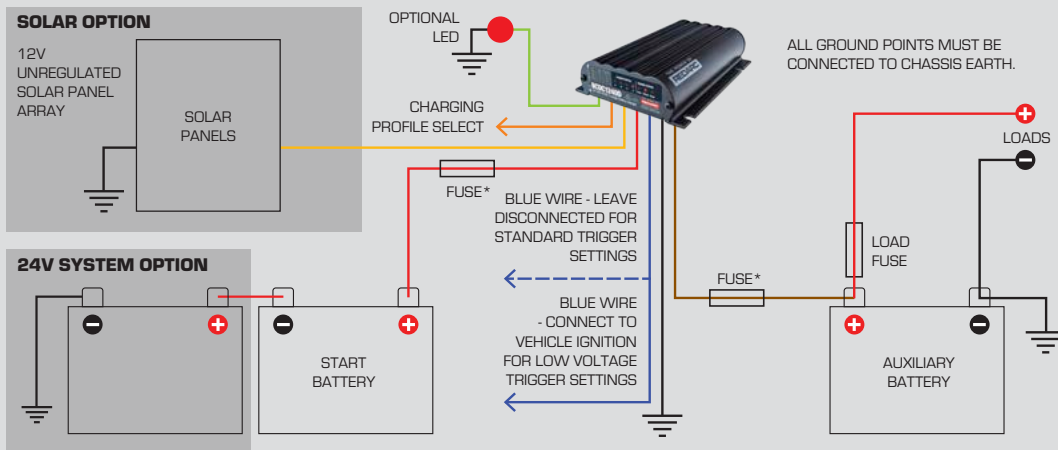
COLLECT MORE POWER FROM THE SUN.

All REDARC BCDCs feature Maximum Power Point Tracking (MPPT) solar regulator allowing the use of solar power to boost a battery's charge, delivering power from solar panels to the auxiliary battery, even during low light conditions.



*Large capacity battery banks may require a few cycles to fully charge

BCDC1225D/1240D/1250D DUAL INPUT TYPICAL SETUP.



*Fuses not supplied. Recommended fuses - FK40 (BCDC1225D) or FK60 (BCDC1240D & BCDC1250D)

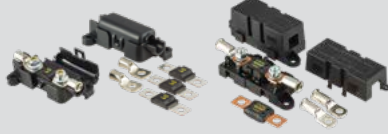
ACCESSORIES RANGE.

REDARC has a comprehensive range of accessories for your installation.

RK1260 RELAY KIT FOR BCDC2420

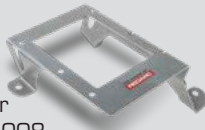


FK40, FK60 AND FK100 FUSE KITS

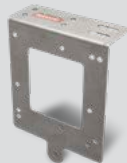


BCDCMB-001 MOUNTING BRACKET

Suitable for Toyota LandCruiser 200 Series (11/2008 - onwards)



BCDCMB-007 UNIVERSAL MOUNTING BRACKET



BCDCMB-008 MOUNTING BRACKET

Suitable for Toyota Landcruiser J100 and J105 Series (98-07)



	BCDC 1225D	BCDC 1240D	BCDC 1250D	BCDC 2420
Input voltage range	9 - 32V	9 - 32V	9 - 32V	9 - 32V
Output current	25A	40A	50A	20A
Output battery	12V	12V	12V	24V
No load current	<100mA	<100mA	<100mA	<100mA
Standby current	<8mA	<8mA	<8mA	<8mA
Recommended 12V input fuse	40A	60A	60A	60A
Recommended output fuse	40A	60A	60A	40A
Output power	375W	600W	750W	600W
MPPT solar regulator	Yes	Yes	Yes	Yes*
Solar switch on voltage	9V	9V	9V	17.5V
Solar range	9 - 32V	9 - 32V	9 - 32V	9 - 28V
Ambient temperature	-14° to +175°F (-10° to +80°C)	-14° to +175°F (-10° to +80°C)	-14° to +175°F (-10° to +80°C)	-14° to +175°F (-10° to +80°C)
Dimensions (D x W x H)	6.50 x 4.72 x 1.46" (165 x 120 x 37mm)	6.50 x 4.72 x 1.46" (165 x 120 x 37mm)	6.50 x 4.72 x 1.46" (165 x 120 x 37mm)	5.90 x 4.72 x 1.46" (150 x 120 x 37mm)
Weight	2lb 3oz (1kg)	2lb 3oz (1kg)	2lb 3oz (1kg)	1lb 7oz (680g)
Warranty	Two years	Two years	Two years	Two years

For help choosing the best dual battery setup for your needs, use the **REDARC DUAL BATTERY SYSTEM SELECTOR**
Visit redarcelectronics.com/dualbatteryselector

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For free product support contact REDARC Tech Support on the numbers below or send an email to power@redarcelectronics.com. A complete list of distributors can be found at redarcelectronics.com/distributors.

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