

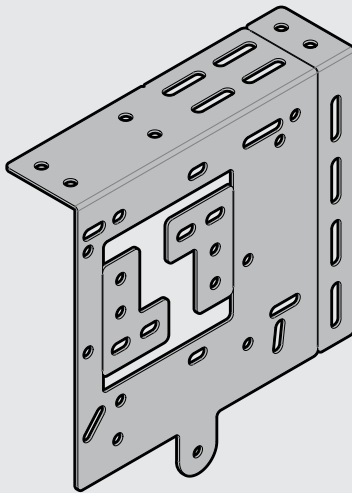
THE POWER OF

REDARC[®]

BCDCMB-107

Mounting Bracket for Selected
REDARC BCDC Battery Chargers.

UNIVERSAL BRACKET



BCDC Alpha Mounting Bracket

Universal Mounting Bracket

The REDARC **BCDCMB-107** Mounting Bracket is designed to install your BCDC Classic/Core* or BCDC Alpha Battery Charger close to an auxiliary battery.

For maximum performance, mount your BCDC Classic/Core or BCDC Alpha in a cool airflow and away from high temperature areas.

The BCDC Alpha Mounting Bracket is constructed from durable stainless steel and designed with a range of mounting points for ease of installation.

***NOTE:** The BCDC Core products (BCDCN1225 and BCDCN1240) are not suitable for mounting in the engine bay or similar harsh environments.

WARNINGS AND SAFETY INFORMATION

SAVE THESE INSTRUCTIONS — this manual contains important safety instructions. Do not install the BCDC Alpha Mounting Bracket unless you have read and understood this manual.

REDARC recommends that the BCDC Alpha Mounting Brackets be installed by a suitably qualified person. It is the installers responsibility to ensure their installation complies with any applicable legal and regulatory requirements.

Disclaimer: REDARC accepts no liability for any injury, loss or property damage which may occur from the improper or unsafe installation or use of its products.

SAFETY MESSAGE CONVENTIONS

Safety messages in this manual include a signal word to indicate the level of the hazard as follows:

⚠ WARNING

Indicates a potentially hazardous situation which could result in death or serious injury to the operator or to bystanders.

⚠ CAUTION

Indicates a potentially hazardous situation which may result in moderate or minor injury to the operator or to bystanders.

NOTICE

Indicates a situation that may cause equipment damage.

⚠ WARNING

- Do not operate around the engine bay with the engine operating. Ensure the vehicle is OFF before mounting Battery Charger assembly.

⚠ CAUTION

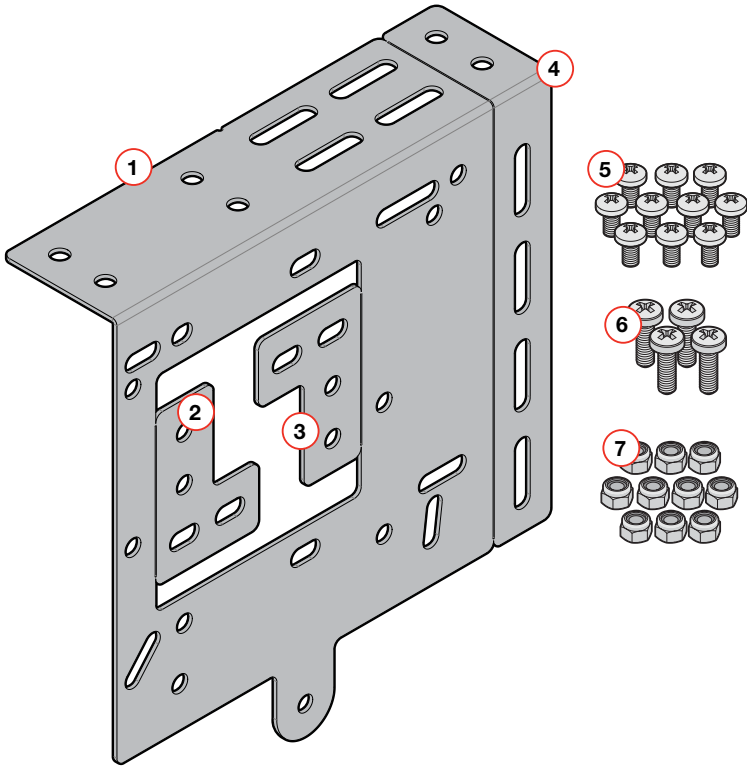
- Use Personal Protective Equipment (PPE). Wear appropriate clothing as well as eye protection when operating power tools.
- Take care when working in and around engine bay to avoid punch points, sharp edges and hot surfaces.



NOTICE

- Removing existing vehicle fixings may expose bare metal, resulting in rust. Retouch any exposed metal with rust inhibitor if it is not an earth connection.
- Damage to cabling can cause failure of the Battery Charger and vehicle electrical systems. Ensure wiring is clear of sharp edges and moving parts.

BCDC ALPHA MOUNTING BRACKET PARTS



1. Mounting Bracket - Part A*

Supplied with 1 bracket.

2. Centre Bracket Support – Part B*

Supplied with the Mounting Bracket.

3. Centre Bracket Support – Part C*

Supplied with the Mounting Bracket.

4. Long Side Strap Support – Part D*

Supplied with the Mounting Bracket.

5. M6 x 12 mm Pan Head Bolt

Supplied with 10 bolts.

6. M6 x 20 mm Pan Head Bolt

Supplied with 4 bolts.

7. M6 Nyloc Locking Nut

Supplied with 10 nuts.

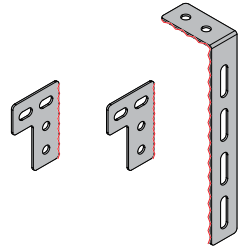
*All component parts of the bracket kit (Parts A, B, C and D) are attached to each other during manufacturing and transit. Before installing the bracket you need to separate the components by breaking the small connecting tags between the parts. No tools are required.

ASSEMBLY

DISASSEMBLE THE MOUNTING BRACKET

⚠ CAUTION: Take care when working with separated Mounting Bracket parts. Sharp edges are exposed when the snap-off parts are removed.

Separate the connected Mounting Bracket parts by moving the parts back and forth until the small connecting tags break.

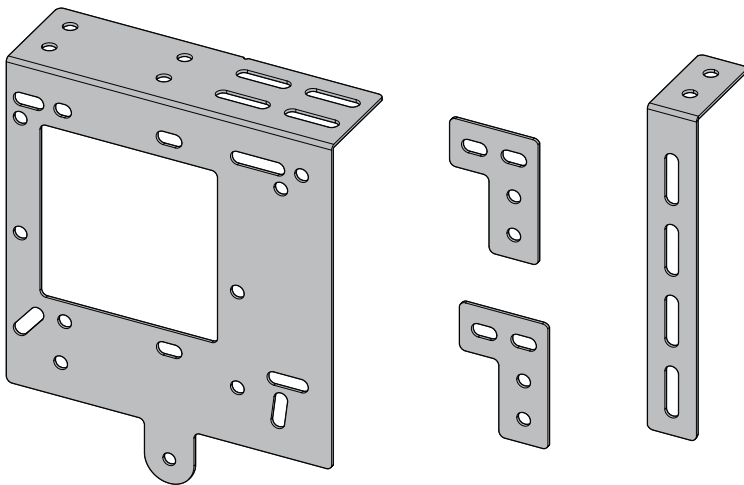


MOUNTING BRACKET LAYOUT

Design a layout for your Mounting Bracket using as many of the bracket parts as needed. All of the bracket components can be configured in any way to secure the assembly in place.

The Mounting Brackets can also be bent or shaped to create alternative angles for more mounting options.

NOTE: The Battery Charger can be oriented in either a horizontal or vertical position.



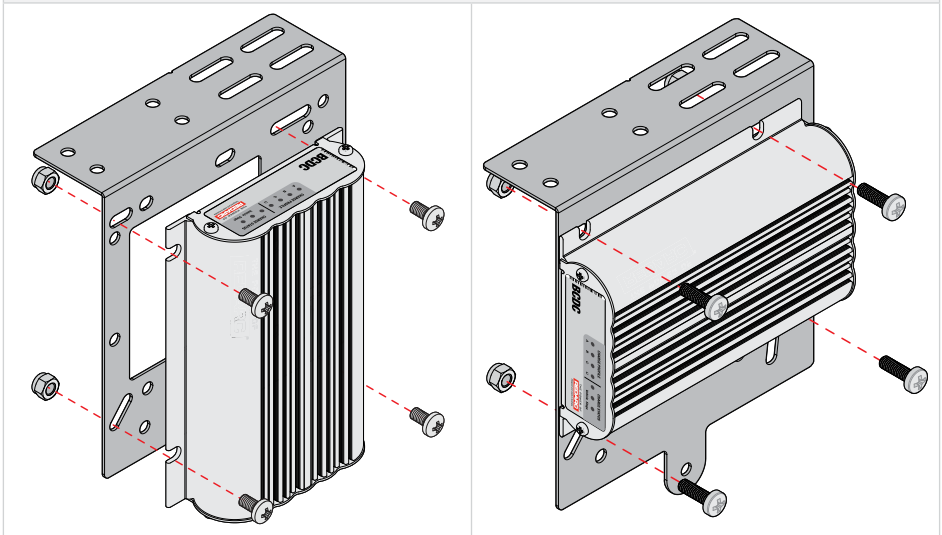
BCDC CLASSIC/CORE BATTERY CHARGER

IMPORTANT: A maximum of **SIX** M6 × 12 mm Pan Head Bolts and **SIX** M6 Nyloc Locking Nuts can be used to form your Mounting Bracket.

Once happy with the layout designed, attach all required bracket parts together using the supplied M6 × 12 mm Pan Head Bolts and M6 Nyloc Locking Nuts.

To secure the Battery Charger to the Mounting Bracket, use the remaining **FOUR** M6 × 12 mm Pan Head Bolts and **FOUR** M6 Nyloc Locking Nuts, secure the Battery Charger to the Mounting Bracket (see [Figure 1](#)).

Figure 1: BCDC Classic/Core to Mounting Bracket



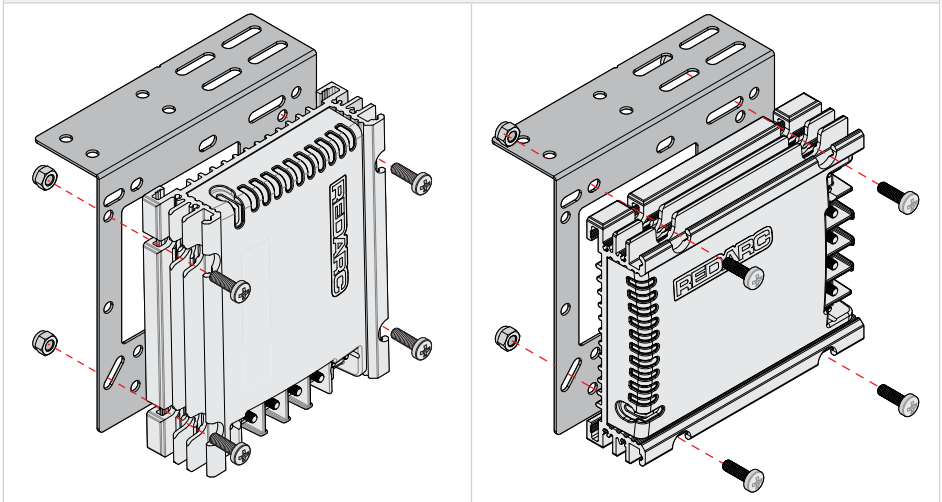
BCDC ALPHA BATTERY CHARGER

IMPORTANT: A maximum of **SIX** M6 Nyloc Locking Nuts can be used to assemble and form your Mounting Bracket design.

Once happy with the layout designed, attach all required bracket parts together using the supplied M6 × 12 mm Pan Head Bolts and M6 Nyloc Locking Nuts.

To secure the Battery Charger to the Mounting Bracket, use the M6 × 20 mm Pan Head Bolts and remaining **FOUR** M6 Nyloc Locking Nuts (see [Figure 2](#)).

Figure 2: BCDC Alpha to Mounting Bracket



INSTALLATION

⚠ CAUTION: Use Personal Protective Equipment (PPE). Wear appropriate clothing as well as eye protection when operating power tools. Take care when working in and around engine bay to avoid punch points, sharp edges and hot surfaces.



NOTICE: Removing existing vehicle fixings may expose bare metal, resulting in rust. Retouch any exposed metal with rust inhibitor if it is not an earth connection.

FITTING THE MOUNTING BRACKET TO VEHICLE

- REDARC recommend mounting the Mounting Bracket in a cool airflow location away from high temperature areas.
- Use appropriate fasteners to suit the assembled Mounting Bracket with Battery Charger to the vehicle in the chosen location.
- Additional fasteners which are not supplied with this Mounting Bracket will likely be required to complete the installation. Take care to ensure that any new holes are treated to prevent corrosion.
- Ensure all M6 Pan Head Bolts and M6 Nyloc Locking Nuts are tighten to 7.5 Nm (5.5 lbf-ft).
- Ensure all vehicle fixings are tightened correctly to the vehicle manufacturers torque specifications.

BATTERY CHARGER WIRING

NOTICE: Damage to cabling can cause failure to the Battery Charger and the vehicle's electrical system. Ensure wiring is clear of sharp edges, moving parts and has enough slack to allow for flexing.

Once the Mounting Bracket assembly is secured to the vehicle complete the required wiring in accordance with your Battery Charger's instruction manual.

MAINTENANCE

⚠ CAUTION: Ensure the area around the Battery Charger is clean and clear of debris. Any debris not removed will impair the performance of the unit and may cause a fire hazard.

NOTE: Regularly check your vehicle to avoid potential damage to the Battery Charger, your vehicle, and batteries (both auxiliary and starter).

WARRANTY

LIMITED WARRANTY

For full warranty terms and conditions, visit the Warranty page of the REDARC website.
www.redarcelectronics.com/warranty

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