

# THE POWER OF

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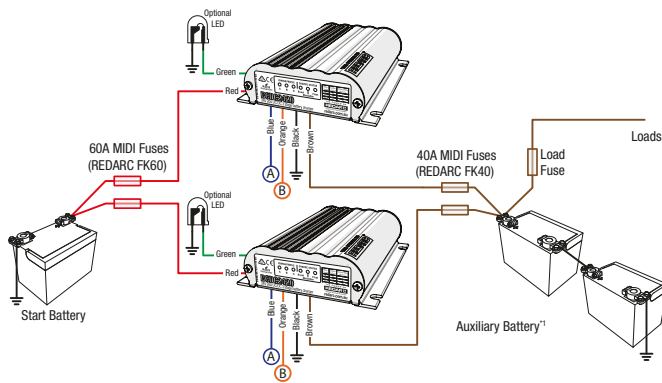
## Connecting two BCDC2420's in parallel for higher charging current

For 24V batteries requiring a higher charge rate than REDARC's BCDC2420 charger, the good news is that two BCDC2420 chargers can be used in parallel\*.

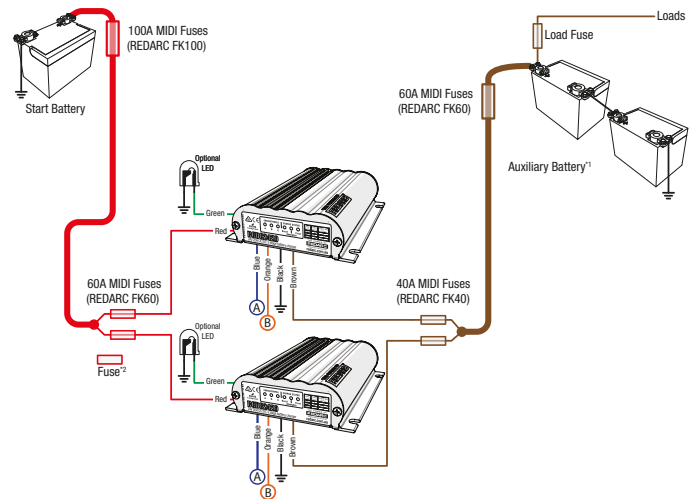
Both wiring diagrams below are suitable, depending on the installation requirements. Appropriate fuses should be used. 60A input fuses and 40A output fuses are recommended.

BCDC2420 chargers feature a fault detection mode which ceases the charging output if the battery is removed; it is important to note that this does not function when two BCDC2420 chargers are used in parallel. The result is that two BCDC2420 chargers in parallel may continue to run a load indefinitely or until they turn off due to the inputs falling below the turn off thresholds. Before commencing work on loads connected to the auxiliary battery, ensure that the BCDC2420s have ceased charging so that the load is not powered by the BCDC2420s even with the battery disconnected.

### Individual Wiring Preferred



### Common Wiring



(A) To vehicle ignition for smart alternators

(B) Charging Profile Select

### NOTICE

- Power wires and fuses must be appropriately sized to suit the current rating of the chargers and cable rating.
- Ensure the capacity of the vehicle's 12V alternator is sufficient to supply at least an extra 90A over and above the requirement for the original vehicle equipment.
- The chargers should be installed in areas which receive airflow. Refer to the user manual for further information.
- Both chargers should be set to the same charging profile.

\* Refer to the battery manufacturer's data sheet to ensure the battery can accept the combined maximum charge currents from both chargers whilst at operating temperature (e.g. Engine Bay).

# TECH TIP

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