



The NGDC2440 joins our new NG series of units that uses the next generation topology increasing the output power compared to its previous VI and BC series of units.

Features Include:

- Vibration and dust resistant encapsulated circuitry
- Output current 40A Peak, 30A Continuous @ 24V
- Output voltage 28V
- Input Voltage : Startup over 12V, Running 10V-16V
- Over Current protection for use as basic battery charger.
- Over Temperature protection for high reliability
- High Efficiency : Typical >93%
- Precise under voltage protection : No need for external isolator.
- Latched overload protection for preventing dangerously charging faulty batteries
- Very low standby current: <3mA
- Dimensions : 305mmx60mmx135mm (LxHxD)



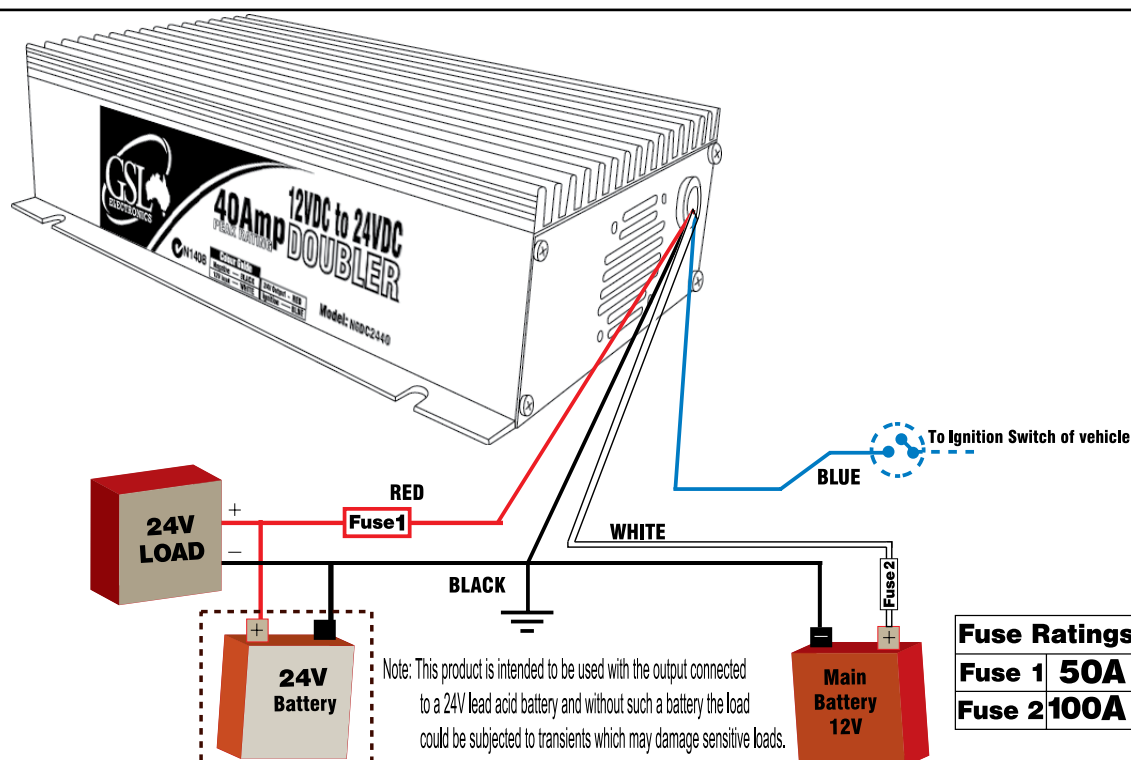
NGDC2440

Note: Before installation the user shall determine the suitability of the product to ensure correct application.

This product is intended to be used with the output connected to a 24V lead acid battery and without such a battery the load could be subjected to transients which may damage sensitive loads.

1. Disconnect the battery supply.
2. The following connection sequence is to be followed: Ground (Black), Input (White), Output (Red), Control (Blue). The Black and White wires are to be connected as directly as possible to the 12V input battery.
3. The unit is protected from weather and dust but do not pressure wash or mount to areas that will be submerged. Avoid locations such as fuel lines or where external heat is produced e.g. exhaust system or where the batteries are located.
4. Chose a position with good ventilation where air can pass freely around the unit.
5. Ensure the unit is protected from sources of contamination e.g. oil, grease and dust.
6. Ensure that the unit is installed away from any flammable fumes, liquids or materials.

Wiring Diagram



Warranty Conditions: Our products come with guarantees that cannot be excluded under the Australian Consumer Law.

The customer is entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage.

The customer is also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure.

GSL Electronics (GSL) warrants that its products will, under normal use and service, be free of defects in material and workmanship for a period of two (2) years from the date of the original purchase by the customer as marked on the customer's original invoice.

Please refer to our website for full warranty and return information which can be found at <http://www.gsl.com.au/faq.html>