



# Go Power! DC Install Kit Owner's Manual



## 1. Warnings

**Avoid all electrical hazards.** Disconnect batteries and electrical system from 120/240 VAC, or any other power source of electrical power, before attempting to install your **Go Power! GP-DC Install Kit**.

**Observe proper polarity** throughout the installation process.

**Work safely.** Do not wear jewelry when working with electrical or mechanical equipment. Use protective eyewear, gloves and apron when working with batteries.



**Follow the safety precautions** of the battery manufacturer. Do not produce sparks when working in locations where flammable gases or vapors exist. Shield skin and eyes from battery acid. If skin, eyes or clothing comes in contact with acid rinse thoroughly with water.

**Avoid electrical shock.** Make sure all sources (inverter, shore power, generator) are disconnected.

## 2. Installation Overview

Congratulations on becoming the owner of a GP-DC Kit. Please read and understand all instructions before installing your new product for the easiest and safest installation. Before installing kit, review the installation design with this DC kit Installation Manual. Contact your Authorized Go Power! Dealer if in doubt as to this kit's suitability or compatibility with your system. Retain this guide for future reference.

### 2.1 Disclaimer of Liability & Warranty

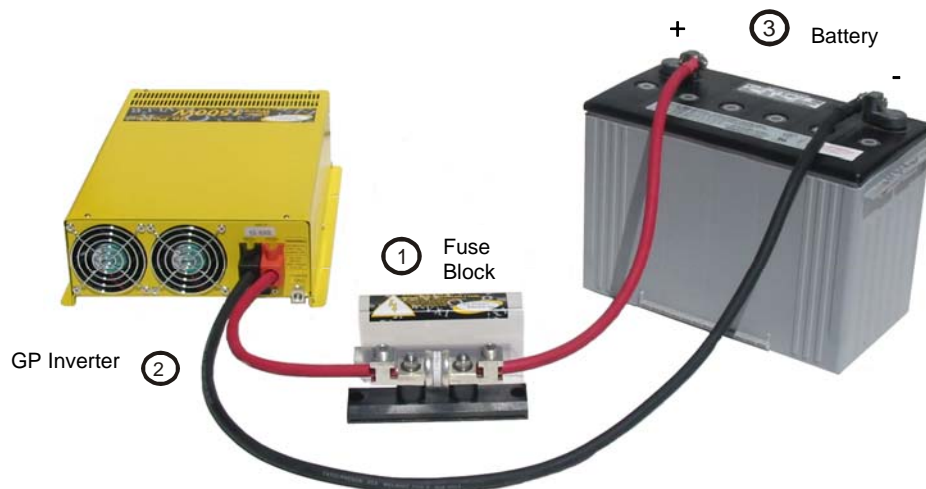
The conditions or methods of installation, operation, use and maintenance of this kit and its solar module are beyond the control of Carmanah Technologies Corp. Carmanah does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising from, or in any way connected with such installation, operation, use, or maintenance. **Carmanah does not cover labor or shipping for items returned.**

## 3. Installation

1. The inverter fuse is to be mounted on the positive cable near the battery.
2. Cut the positive (red) cable according to desired location. Strip  $\frac{1}{2}$ " to  $\frac{3}{4}$ " of insulation from the cables, and connect the fuse block as shown.

3. Tighten the lugs to 10 ft. lbs.
4. Observe the polarity of the cables (red = positive) (black = negative) and connect accordingly to the inverter.

### 3.1 Installation Diagram



## 4. Specifications

|                                  | <b>Kit 2</b>   | <b>Kit 3</b>   | <b>Kit 4</b>   | <b>Kit 5</b>   |
|----------------------------------|--|--|--|--|
| <b>Fuse Size</b>                 | 110 amp fuse   | 200 amp fuse   | 300 amp fuse   | 400 amp fuse   |
| <b>Cable Gauge</b>               | IC #4 – 10 ft.   | IC #2 – 10 ft.   | IC 2/0 – 10 ft.  | IC 4/0 – 10 ft.  |
| <b>Inverter</b>                  | <u>12 volt</u><br>600-1000 watt  | <u>12 volt</u><br>1100-1800 watt   | <u>12 volt</u><br>2000-2500 watt   | <u>12 volt</u><br>2600-3000 watt   |
|                                  | <u>24 volt</u><br>600-1800 watt  | <u>24 volt</u><br>2000-3000 watt   | <u>24 volt</u><br>3100-4000 watt   | <u>24 volt</u><br>4100-6000 watt   |
| <b>Go Power!<br/>Quick Check</b> | GP-1000, GP-SW600,<br>GP-SW1000,<br>GP-SW1500-24   | GP1750,<br>GP-SW1500-12<br>GP-SW2000-24<br>GP-SW3000-24  | GP-SW2000-12<br>GP2500   | GP-SW3000-12   |
| <b>Included Items</b>            | GP-Fuse Block 110,<br>IC-4-10 cable, 11.5"<br>40 lb. Black Tie wraps<br>(6), 3/8" cable clamps<br>(6), #6 x 3/4" pan (6),<br>head screws (6) | GP-Fuse Block 200,<br>IC-2-10 cable, 11.5"<br>40 lb. Black Tie wraps<br>(6), 1/2" cable clamp<br>#6 x 3/4" pan (6),<br>head screws (6) | GP-Fuse Block 300<br>IC-2/0-10 cable, 11.5"<br>40 lb. Black Tie wraps<br>(6), 3/4" cable clamps<br>(6), #6 x 3/4" pan<br>head screws (6) | GP-Fuse Block 400<br>IC-4/0-10 cable, 11.5"<br>40 lb. Black Tie wraps<br>(6), 3/4" cable clamps<br>(6), #6 x 3/4" pan<br>head screws (6) |