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# Go Power! Manual

GP-Fuse Block





**Warning!** Be sure all charging sources (PV array, battery charger, etc.) and all loads (inverter, DC loads, etc.) are turned off before cutting or terminating cables.

**FBL**

**DC Ratings:**

300 V, 400 Amps

**Withstand Rating:**

50,000 RMS

symmetrical amps

**Fuses:** Class 'T'

**SN:** 99/09

**Tightening Torque:**

10 ft/lbs

**Wire range:**

#6 to 4/0

## 1. Warnings

1. **Avoid All Electrical Hazards.** Disconnect batteries and electrical system from any power source of electrical power, before attempting to install your **Go Power! Fuse Block**.
2. **Observe proper polarity** throughout the fuse block installation.
3. **Work Safely.** Do not wear jewelry when working with electrical or mechanical equipment. Use protective eyewear, gloves and apron when working with batteries or power tools. Use extreme caution when on ladders or a roof.
4. **Follow the Safety Precautions** of the battery manufacturer. Do not produce sparks when working in locations where flammable gases or vapours 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

Go Power! Fuse Block features a Class T fuse with insulating base, large cable lugs and protective transparent cover. Providing the maximum interrupting capacity (AIC) required by the Electrical Codes (NEC/CEC) & CSA, the GP Fuse Block protects high amperage components, like inverters, from damage by overloads and short circuits.

Filler material inside of fuse suppresses arcing, reducing risk of explosion and equipment damage. Extremely fast short circuit interruption provides the highest level of protection available. Current limiting design allows safe use of lower AIC breakers in load centers and as input and output disconnects while meeting the CEC/NEC/CSA requirements for battery systems.

The cover has extremely high impact resistance, is heat resistant and has self-extinguishing properties.

### 2.1 Choose a Location

1. Select an appropriate location that features the following criteria:
  - easy accessibility
  - dry/moisture free environment
  - firm mounting surface
  - allows the danger label to be visible
2. The fuse block should be located in the positive cable close to the battery termination point to provide as much protection to the cables as possible.
3. Do not mount in an engine compartment as the maximum operating temperature may be exceeded.

### 2.2 Mounting the Fuse Block

1. Remove cover.
2. Fasten to a firm surface through the two mounting holes in the base using the screws provided or other suitable hardware.
3. Use properly sized wire or cable (consult Soltek technicians if necessary).
4. Fuse holder should be installed in the positive (+) cable.
5. Cut and strip cables. Slide the cover over one cable before inserting into lugs. The proper positioning of the flat washer is under the split lock washer - any other positioning will cause resistance and overheating.
6. Insert cables in lugs and torque to 10 ft/lbs.
7. Slide cover on until it snaps in place. It should fit evenly on the base. Installation of the GP Fuse Block should now be complete.

