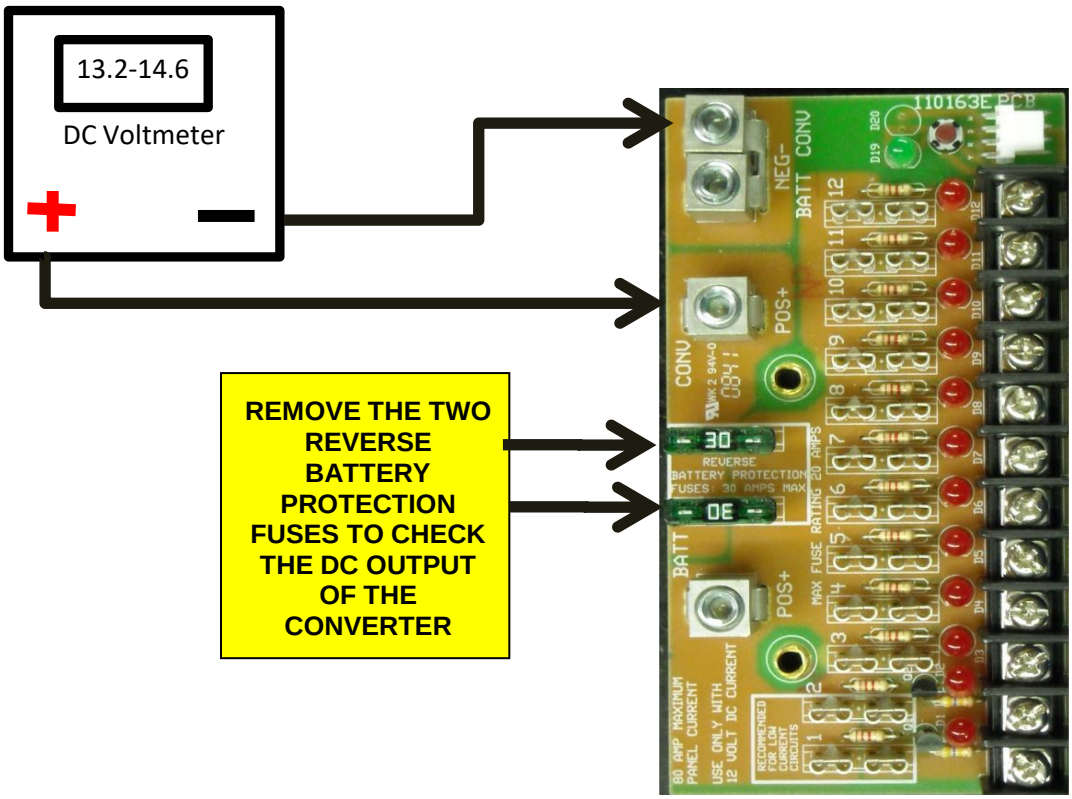
PD4600 Checking the Converter Output

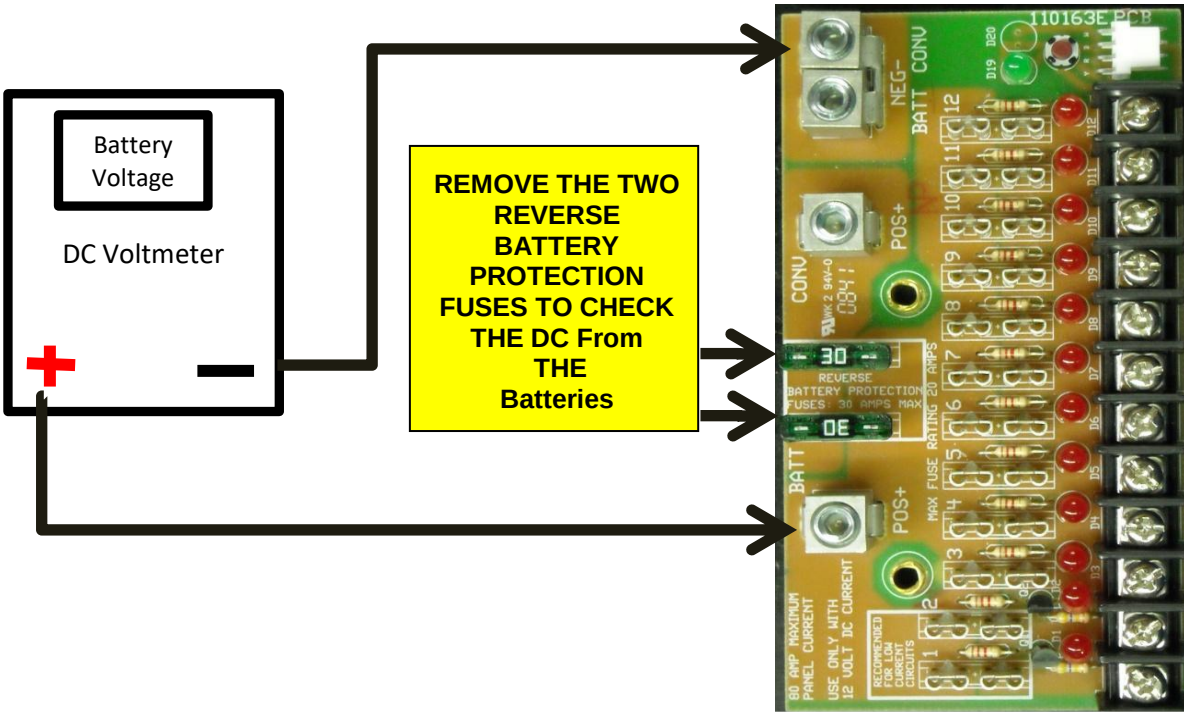
Note: Trouble shooting this unit involves exposure to live 120 VAC and should only be attempted by a qualified technician.



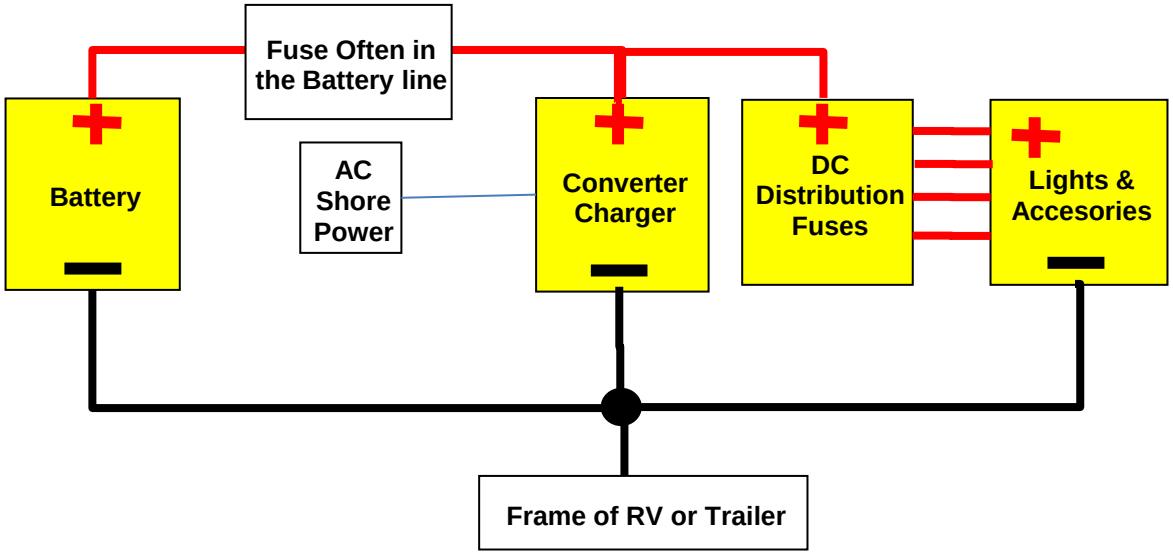
1. Turn off the AC power to the converter at the AC breaker .
2. Remove the 2 30 amp DC fuses.
3. Turn the AC power back on.
4. Using a DC Voltmeter Check the Converter output as above.
   14.5-14.6 for Lithium, 13.2-14.4 for Lead Acid.

PD4600 Checking the Battery Connection

Using a DC Voltmeter the battery voltage should read on the posts in the diagram below.



Understanding DC Power Systems



The 4600 converts the AC into 13.5 volts DC to Charge the Battery and supply power to the lights and accesories.

The + DC supplies power through the fuses to lights and accesories. The circuit is completed through The - return wires which must tie in to the Battery, Converter , and the lights. The Frame of the RV is often the - side return path.

Gel Jumper

To set the charger to work with Gel batteries, add a jumper to the pins on the white jumper chair.

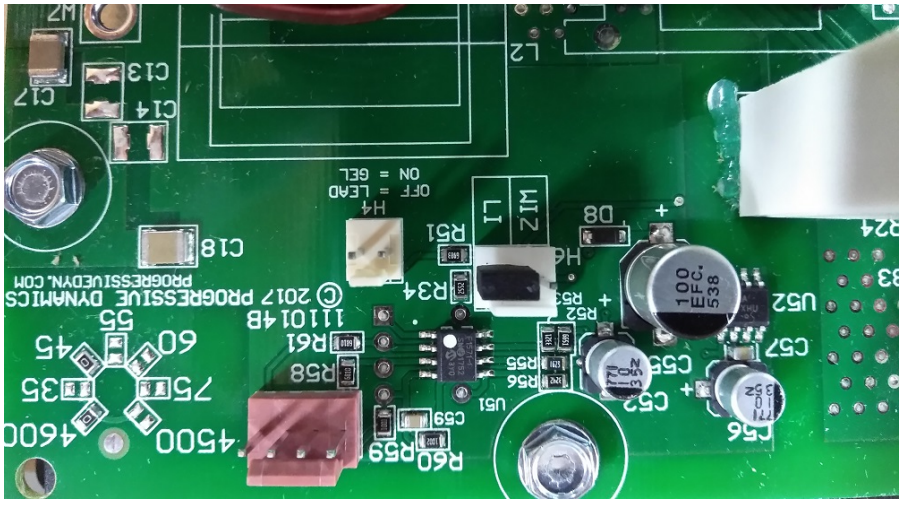
This is a standard .100 spacing jumper available from us or computer stores.
*The Lithium Wizard jumper should be set to WIZ.

Front View

Side View

Lithium WIZ (Lead Acid)
Jumper

This is a 3 pin header. Jumped Center to LI = Lithium
Jumped Center to WIZ = Lead Acid



Left Front View

Operation:

With the Jumper in the WIZ position the charger will operate as described in the wizard description for Lead Acid Batteries.

With the Jumper in the LI position the charger will maintain a LiFePO4 Battery with a requirement of 14.6 volts. When the battery is fully charged the voltage will remain at the 14.6 level.

Units manufactured after January of 2023 are set to 14.4 VDC to comply with newer lithium requirements.