

Specifications (Specifications subject to change without notice)				
Model	PD4135	PD4560	PD4575	PD4590
AC Section (PD4100)	240/120 VAC 50A Maximum Input 120 VAC 50A Maximum Output - 12 Branch Circuits Max.			
DC Section	12 VDC 35A Max.	12 VDC 80A Max.	12 VDC 100A Max.	12 VDC 100A Max.
Converter Section	Input: 105-130 VAC 50/60 Hz 725 Watts Output: 13.6 VDC, 35 Amps Weight: 6 lbs	Input: 105-130 VAC 50/60 Hz 1000 Watts Output: 13.6 VDC, 60 Amps Weight: 8 lbs	Input: 105-130 VAC 50/60 Hz 1250 Watts Output: 13.6 VDC, 75 Amps Weight: 8.5 lbs	Input: 105-130 VAC 50/60 Hz 1550 Watts Output: 13.6 VDC, 90 Amps Weight: 10 lbs

* Consult local regulatory authority for possible branch circuit restrictions

Breakers: Recommended breakers rated maximum 0A for PD4 00 series

The following breakers are suitable for MAIN and BRANCH breakers	MAIN	Branch	Filler Plate
ITE/Siemens—QP,QT			
Thomas & Betts—TB & TBBD Series			ITE/Siemens QF3
Square D—HOM, HOMT	30A	20A	GE TQLFPI
Cutler Hammer/Bryant—BR,BRD Series			
GE—HACR			

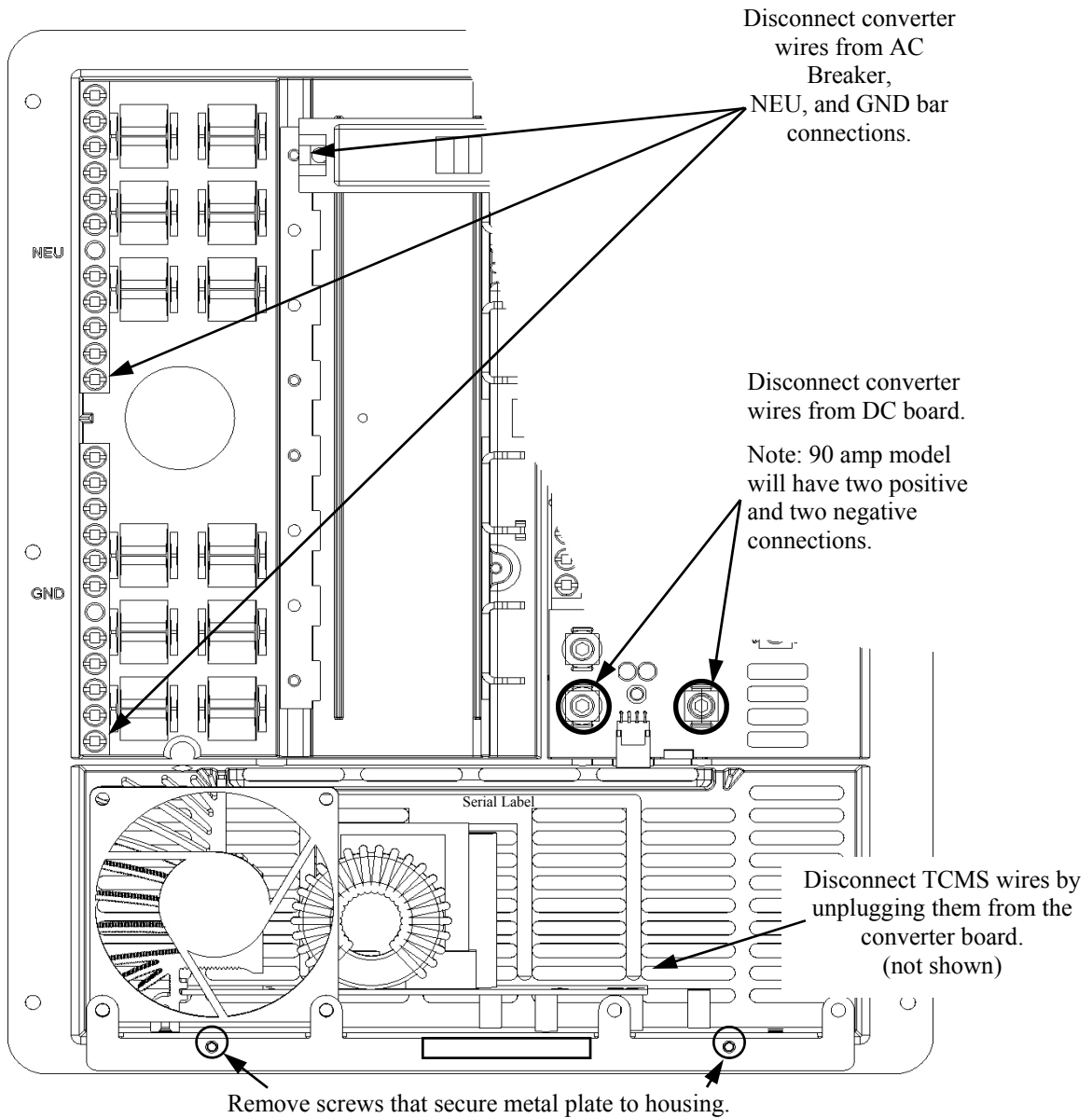
TROUBLE SHOOTING GUIDE

<u>PROBLEM</u>	<u>POSSIBLE CAUSES</u>	<u>ACTION</u>
No Output	120 VAC supply not connected	Connect power supply Check AC distribution panel for proper operation
	Reverse battery fuses blown (See page 1 for location)	Check for reverse battery connection. Replace fuses with same type and rating (See page 2)
	Short circuit	Trace RV circuits for possible fault
	Unit has shutdown due to over voltage (Converter will shut down if the input voltage exceeds 132 VAC)	Check input voltage Correct input voltage
	Low Output	Compartment gets too hot
Excessive load for converter		Reduce load requirements or install larger converter
Input voltage not between 105-130 VAC		Correct input supply voltage
Bad battery cell(s)		Replace battery
Intermittent or no Output on Generator, works on Shore Power	Unit has shutdown due to over voltage.	Add another load to the generator, this may reduce the “spikes” to an acceptable level
	Some generators exhibit excessive voltage spikes on the AC power output, this may cause the over voltage protection to shut the unit down	Contact generator manufacturer for possible defect in the generator
Open Fuse Indicator lit (See page 1 for location)	Fuse open.	Replace fuse with same type and rating.

Consult a licensed electrician or an RV technician for installation assistance

1. Use an AC voltmeter to check for the proper voltage at the 120 VAC breaker that the converter is connected to. This voltage should be between 105 and 130 volts.
2. Remove the reverse battery fuse and check the converter output from the CONVERTER GND to the CONVERTER POS terminals on the DC board. This should be 13.6 VDC.
3. Check the Reverse Battery fuse . The fuse will only blow if the battery or DC output leads were connected in reverse, even for a moment. If it is blown check the polarity of the battery connections before replacing it.
4. If the Converter output is not present and there is AC to the converter , the converter is defective.

SEE PAGE 5 FOR INSTRUCTIONS FOR SAFE REMOVAL OF CONVERTER SECTION.



If you should need to replace the power converter for any reason, follow these steps to safely remove the converter section.

WARNING: Make sure all power is disconnected before proceeding.

1. Remove the neutral, ground, and breaker wires that lead to the converter on the AC side.
2. Remove the converter output wires from the DC side, ground and positive.
3. Make sure you unplug the TCMS wiring harness before moving on to the next step.
4. Finally unscrew the two screws that hold the metal converter plate to the plastic housing.
5. Reverse steps to install new converter.

For repairs, do not remove entire AC/DC panel. Only send the converter section.

Make sure you use proper packaging to ensure the product's safe arrival.

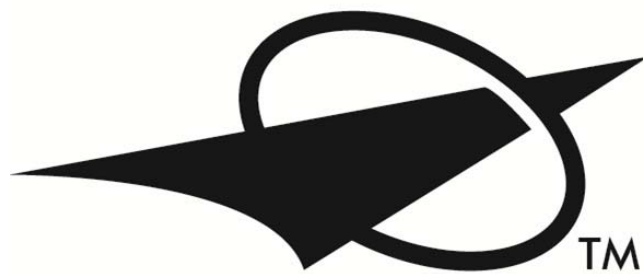
REPLACING THE CONVERTER MODULE

(Replace converter with the same model and rating as previous converter.)

REPLACEMENT CONVERTER SECTIONS:

Model # - PD4135CSV (35-Amp Converter Module, with built-in Charge Wizard)

NOTES:



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