GENERAL INFORMATION

The Parallax Power Supply 7100 series power converter is a solid-state electronic power supply and is maintenance free. These revolutionary RV power converters utilize technology developed for power supplies in computers that provides a clean, stable, voltage regulated output while also providing safety features designed to help protect the converter against over-temperature and output over-load.

If any 12-volt appliance fails to operate, first check your RV's 12-volt distribution fuse panel located behind the decorative front door in the upper right hand corner of the converter and inspect all fuses. If a fuse is open or "blown" replace it with the same size fuse (never install a larger fuse). If the fuse opens again, have and electrician or certified RV technician locate the circuit trouble. Replace blown fuses with Littelfuse type 257, Bussman type ATC, or Possing Electronic type ATP fuses only.

If the 7100 series power converter is not working, first confirm the RV supply or "shoreline" cord is plugged into a live circuit. Then check all the 120-volt breakers in your RV distribution panel to make sure they are "on". If a breaker is tripped, follow the instructions to reset the breaker. If the breaker trips again, consult an electrician or certified RV technician.

The Parallax Power Supply 7100 series is ETL listed and has been built with safety in mind to stringent safety standards. The 7100 series converter is also FCC Class B certified to minimize interference to electronic equipment.

CONVERTER OPERATION

The Parallax Power Supply 7100 Series electronic power converter is designed to supply the nominal 12-volt filtered DC power for all 12-volt operated devices encountered in RV service. Although the converter is an excellent battery charger, the converter does not require a battery to be connected to it for proper operation. **Caution:** When installing a battery(s) always observe polarity. Connecting a battery with the polarity reversed will blow the power converter "reverse protection battery fuses" located on the 12-volt DC distribution fuse panel.

If the 12-volt load exceeds the converter output rating the output voltage will drop. Turn off some 12 volt lights or appliances and the output voltage will automatically restore. The same will occur if the converter exceeds safe operating temperature limits. Check to see that the converter's air circulation is not blocked, or turn off some of the 12-volt load.

120 VOLT AC PANELBOARD

The AC panelboard section of the series 7100 is located behind the decorative door in the upper left-hand corner. This panel contains the 120 VAC branch circuit breakers for your RV. One of the breakers controls the 120-volt power to the 12-volt converter section located in the lower half of the 7100. This breaker may also control another branch circuit. Check the label next to each breaker for what each branch circuit breaker controls.

The 120-volt circuits may be turned on by flipping the breaker handle up to the "on" position or off by flipping the handle to the "off" position. To reset a tripped breaker move handle to off then on.

INPUT SUPPLY REQUIREMENTS

Connect to a 120 VAC 60HZ 3 wire grounded supply with no larger than 30-ampere "Main" circuit protection.

MOUNTING LOCATION

The 7100 series converter is designed for indoor use only! Do not mount in harsh environments; avoid areas where high levels of dust, dirt, or moisture may occur.

DO NOT mount the power converter in battery compartments or in areas where flammable materials are stored.

(HORIZONTAL MOUNTING ONLY)

Mount to vertical Surface with the front of the converter open to the living area of the RV.

MOUNTING CLEARANCES

Provide a minimum of 22 inches clearance to the front of the converter. Leave adequate room for wire routing and fan air intake located in top rear of converter.

DO NOT mount in zero clearance compartments; overheating and thermal shut down will result.

CONVERTER COOLING SYSTEM

The 7100 electronic fan cooling system is a key to long life and trouble free operation. The fan is never on more than required to cool the electronic components in the converter.

BATTERY CHARGER PREFORMANCE

The National Electric Code requires that power converters for RV service use, be marked with an average charge rate, as part of the total continuous output rating. Average charge rate will depend on several variables such as, condition of the battery(s), temperature, and the length of time the battery(s) are connected to the converter. In actual RV use the engine alternator and on board generators are also possible sources of charging currents.

With all these variables it is difficult to determine the average charge rate from the converter. In most cases the average charge rate will be very small, in the order of a few hundred milliamps (1 AMPERE=1,000 MILLIAMPS). Your Parallax 7100 series power converter is capable of delivering its full rated output to the battery(s) if needed, but current accepted by the battery(s) will taper off to a few hundred milliamps when the battery(s) reach full charge.

CONVERTER TO BATTERY WIRING

The battery supply wire from Fuse block terminal "POS+" to the battery must be of adequate size and rating and must be protected within 18 inches of the battery with an appropriately rated fuse or breaker.

STORAGE BATTERY MAINTENANCE

WARNING- Before inspecting or servicing storage battery(s) read and follow battery manufacturer's cautions and directions.

The following suggestions plus those of the battery manufacturer will help keep your battery in good condition.

1. Maintain proper water level at all times.
2. When 120 VAC is connected to the power center, check water level at least once a week in hot weather or when battery is charged and discharged frequently.
3. If 120 VAC is not connected to the power center, it should be reconnected once a month for 8 hours to recharge battery.
4. If you store your battery outside of the RV, a battery charger should be connected to it one a month to recharge battery.
5. Do not allow the battery to remain in a discharged condition-it will become sulfated and will not accept a proper charge.

Some situations which may indicate need for battery replacement are:

1. Loss of more water in one cell than others.
2. Continuous loss of water in all cells—perhaps accompanied by overheating or extreme gassing and bubbling.
3. A marked difference in the specific gravity reading between cells.

Warranty Statement

Parallax Power Supply warrants its products to be free from defects in material or workmanship under normal use and service and limits the remedies to repair or replacement.

This warranty extends for two years from the date of purchase and is valid only to the original owner and within the continental limits of the United States and Canada.

*Download the **Parallax Power Supply Warranty Policy** at:*
www.parallaxpower.com/warranty.htm

If a problem should occur with your Parallax converter within the first twenty-four months after purchase, please contact a dealer that handles warranty on your brand of RV. NO user serviceable parts inside.

Parallax Power Supply
100 West 11th Street, Suite 100
Anderson, IN 46016
Ph (800) 443-4859 Fax (765) 608-5235

PARALLAX POWER SUPPLY
A Division of Connecticut Electric, Inc.

100 West 11th Street, Suite 100 Anderson, IN 46016
Ph (800) 443-4859 Fax (765) 608-5235

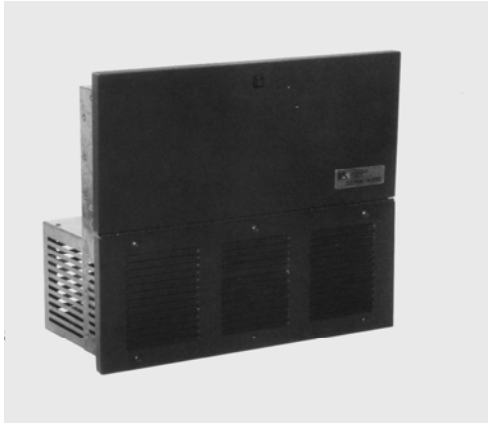
SERIES 7100

POWERCENTER

OWNER'S OPERATION/WARRANTY MANUAL

For a **special offer** concerning **Extended Warranty Coverage**, Visit our website at **www.parallaxpower.com**

Congratulations on the purchase of your new RV. We hope you have many years of enjoyment. Your new RV is equipped with the latest, most advanced 120-volt to 12-volt power converter system available today. The Parallax 7100 series electronic switch mode power converters have been designed to give you many years of trouble-free service.



51092351-000-001
Rev D
Form 80058

Listed for RV Use in the U.S.A. and Canada.