



6300 Series Owner/Operator Manual

AC PANELBOARD

When 120 VAC is connected to Power Center via commercial power or AC generator, the 120 VAC circuits are protected by the breakers contained in the AC PANELBOARD.

120 VAC circuits may be turned off by flipping breaker to indicate “OFF.” The circuits may be turned on or reset by flipping breaker to indicate “ON.”

12 V DC FROM POWER CONVERTER SECTION

When 120 VAC is connected to the Power Center via commercial power or AC generator, and the circuit breaker controlling the POWER CONVERTER Section is “ON”, the POWER CONVERTER Section will convert the 120 VAC to 12 VDC and is instantly switched—via the Automatic Relay—into the 12 VDC RV circuits to operate the 12 volt lights and motors. A cooling fan will come on when certain temperatures are reached in the lower section. Equipment limited to operation from 12 volt battery power only—including 12 volt TVs, radios, stereos, unfiltered fluorescent lights—must be connected to the fused battery circuits of DC DISTRIBUTION PANEL or RV battery line.

DO NOT connect equipment requiring more than 3 amps to terminal “B”.
AUTOMATIC-RESET THERMAL BREAKER

A protective Thermal Breaker will “break” the 120 VAC power to POWER CONVERTER Section of Power Center if POWER CONVERTER becomes overheated—by operation above its maximum limit for an extended period of time or obstruction of ventilation to unit.

POWER CONVERTER Section will instantly switch 12-volt light and motors to battery.

In either case, the Thermal Breaker will reset itself after a period of time, and the lights and motors will again resume operation from POWER CONVERTER Section—only to shortly again “break”. When this occurs, take immediate steps to correct cause of overheating. A portion of RV 12-volt load—lights or motors or both—should be turned off to reduce total load. Also, inspect POWER CONVERTER Section to make certain ventilation is not obstructed.

12 V DC FROM STORAGE BATTERY

When 120 VAC is NOT connected to Power Center via commercial power or RV generator, the POWER CONVERTER section—via its Automatic Relay—will switch RV battery into the circuit for power to operate 12 volt lights and motors.

When 120 VAC is again available, connect it to Power Center. The POWER CONVERTER Section—through its Automatic Relay—will be brought back into circuit.

When operating RV 12-volt equipment from RV battery, it is recommended that the amount of equipment in use be reduced—to conserve battery.

Gradual dimming of lights and slowing of motors indicates low battery voltage. If 12 volt equipment will not operate from RV battery, check wiring between 12 volt DC DISTRIBUTION PANEL in Power Center and battery. If this line is fused and fuse is “blown,” inspect for overload or “short”. DO NOT install oversize fuse. Make certain battery is fully charged—see No. 5 below.

The DC DISTRIBUTION PANEL

The DC DISTRIBUTION PANEL is located behind hinged door of Power Center. This panel contains circuits with replaceable fuses for protection of RV 12-volt light and motor lines.

If any line is loaded beyond the capacity of its fuse, the fuse will “blow”. A portion of the 12-volt load on the line—lights and/or motors—must be turned off to reduce total load on the line below the capacity of the fuse.

Replace fuse with same size fuse. DO NOT install larger fuse than indicated. If this reduction of load on the line does not stop the “blowing” of the replaceable fuses, there may be a “short” along the 12-volt line or at a nonfused 12-volt motor on the line. Check the RV 12-volt line and equipment on the line. Locate the “short” and take the necessary steps to repair it.

IMPORTANT

If 12 volt lights and motors will NOT operate as indicated above, check to make certain 120 VAC power is properly attached to RV. Also, make certain the AC breakers in the AC PANELBOARD indicate “ON”.

5. BATTERY CHARGING SECTION

Units with Option C contain an automatic, solid-state Battery Charging Section. When 120 VAC power is connected to Power Center, the Charging Section will automatically “sense” the condition of RV battery. If it is below “full charge,” the Charging Section will start charging the battery.

If RV battery has been drawn down quite low, it will be charged at a relatively high amperage rate. If battery has not been severely drained, it will be charged at lower amperage rate. The rate of charge will decline as the battery reaches “full charge”. After battery reaches “full charge”, the Charging Section will drop back to “maintenance” level. It will not resume active charging until battery again falls below “full charge”. If your storage battery cannot be charged as described above, it is possible the battery is defective—see “Battery Maintenance” below.

STORAGE BATTERY MAINTENANCE

WARNING—Before inspecting or servicing storage battery, read and follow battery manufacturer’s cautions and directions.

Your RV storage battery must be properly maintained so it can perform its functions as described in 3 & 5. The following suggestions—plus those of battery manufacturer—will help your storage battery:

The battery must be in good condition with water at proper level when first installed in RV.

When 120 VAC is connected to Power Center, check battery once a week.

As battery ages, it will usually need water added more often.

If 120 VAC is not connected to Power Center, it should be reconnected to Power Center once a month for 8-12 hours to “recharge” battery.

If you store battery outside of RV, a battery charge should be connected to it a least once a month to recharge battery.

Do not allow battery to remain in discharge condition—it will become sulfated and not accept a proper “charge”.

Some situations which may indicate need for battery replacement are:

The loss of more water in one cell than others.

Continuous loss of water in all cells—perhaps accompanied by overheating of battery, gassing and extreme bubbling.

A marked difference in the specific gravity reading between one cell and others.

PARALLAX POWER COMPONENTS L.L.C. WARRANTY STATEMENT

Parallax Power Components L.L.C. 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.

If a problem should occur with your Parallax Power Components L.L.C. 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.

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Parallax Power Components L.L.C.

Series 6300 A

POWER CENTER

OWNER'S OPERATION/WARRANTY MANUAL

MODELS 6325, 6332, 6336, 6345, and 6350 contains these standard features:

AC PANELBOARD—120 volts AC 30 amp—for AC branch circuit distribution and protection within the Recreational Vehicle (RV).

POWER CONVERTER—Provides 12 volt DC –up to load limit—to operate 12 volt lights and motors in RV when connected to 120 volt AC power source.

6325—designed for 25 amps maximum continuous load

6332—designed for 32 amps maximum continuous load

6336—designed for 36 amps maximum continuous load

6345—designed for 45 amps maximum continuous load

6350—designed for 50 amps maximum continuous load

Features Automatic Relay to switch between the converter and RV battery for 12 volt DC power
for RV.

Battery Charging Section—Option C. Units with Option C contain an automatic, solid-state

battery charging section.

DC DISTRIBUTION PANEL—Contains fused circuits for distributions of 12 volt DC within the RV.

The AC PANELBOARD and 12-volt DC DISTRIBUTION PANEL are found behind the hinged door of the Power Center.

Power Centers are suitable for vertical wall mounting and are to be wired per directions furnished with Power Center. For proper operation, owner must not obstruct ventilation openings in front panel of Power Center.

DO NOT DESTROY THIS GUIDE—For future reference, record

Date of RV Purchase _____ Series No. _____

Model No. _____ Option Code _____
