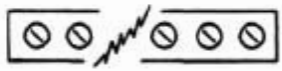
PANELBOARD WIRING DIAGRAM

MOUNT PANEL AS SHOWN BELOW

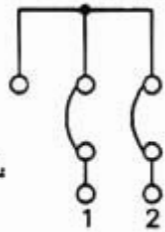
Short circuit rating of this panelboard is10,000RMS symmetrical amperes, 120v AC, but the rating is limited to the lowest interrupting capacity at a supply voltage of any breaker installed. The replacement circuit breakers must be of the same type and interrupting ratings.

NOTE: One of the typical diagrams, shown below pertains to this model. Main breaker must be used when 3 or more branch breakers are used. The following breakers are suitable for MAIN and BRANCH breakers:

Bryant–BR, BD, GFCB, Filler Plate–fp–1B
ITE Gould–QP, QT, Filler Plate–QF3
Thomas & Betts–TB, TBBD
Filler Plate–FP–1CTB
Square–D–HOM: Filler date–HOMFP
TORQUE RATINGS: 8–14 AWG – 36 IN. LBS.
Square D–HOMT: Filler Plate– HOMFP
TORQUE RATINGS: 8–14 AWG– 26 in. lbs.



Line Terminal
10–14 CU conductor

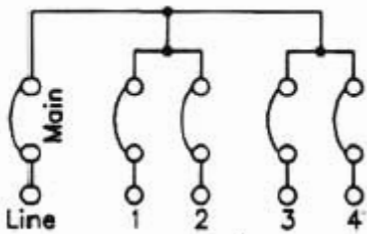


Refer to only when using line terminal

Equip. Ground
Wiring Connector
Torque ratings
Line Terminal: 35 in. lbs.
Neutral bar: 35 in. lbs.
Equip. Ground:

AWG	In. Lbs.
8	40
10–14	35

Isolated
Neutral
10–14 CU



Refer to only when using main breaker

FIELD WIRING 60 C MIN.

OPERATION GUIDE

A. AC DISTRIBUTION PANEL:
This panel contains the AC breakers for each of the 100 VAC branch circuits of the RV. To turn AC breakers ON or OFF, switch breaker handle-breaker position is indicated by visual ON, OFF. To reset a tripped breaker, switch breaker handle to OFF than ON.

B: DC DISTRIBUTION PANEL:
This panel contains the 12 volt DC fuses for each of the 12 VDC load circuits of the RV. The DC distribution panel is designed for blade type fuses with a maximum size of 20 amps. If a fuse blows, do not replace with a fuse larger than indicated on the label.

C: POWER CONVERTER-100 VAC TO 12 VDC
When 100 VAC is connected to the Power Converter section either via commercial power or generator, the Converter will automatically provide the 12 volt DC power to operate the 12 volt DC power to operate the 12 volt lights and 12 volt DC motors in the RV. When 100 VAC is not connected to the Power Converter section, the RV storage battery(ies) is automatically brought into the circuit to provide the necessary 12 volts DC to operate this equipment.

BATTERY CHARGING SECTION

When 100 VAC is connected to the Power Converter, this battery charger will automatically "sense" the condition of the RV battery(ies) and bring it up to "full charge". After the battery is fully charged, the charging section reduces to a maintaince rate and not resume active charging of the battery(ies) until it again falls below "full charge".

D. INSTALLATION REQUIREMENTS (HORIZONTAL MOUNTING ONLY)
Mount the Series 6300A Power Plus Control Center to a vertical surface with the front of the Control Center open to the living area of the RV. Leave adequate room for wire routing.

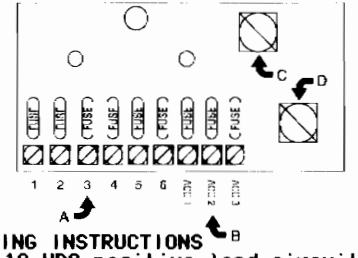
7299

DC DISTRIBUTION PANEL

1 ___ Amp _____
2 ___ Amp _____
3 ___ Amp _____
4 ___ Amp _____
5 ___ Amp _____
6 ___ Amp _____
1 Acc ___ Amp _____
2 Acc ___ Amp _____
3 Acc ___ Amp _____

FUSE DIAGRAM

Replace with Littelfuse Type 257 fuse.
Max. Fuse Size: 20 A



WIRING INSTRUCTIONS

A-CONVERTER OUTPUT-CKTS 1-6 12 VDC positive load circuits for RV 12 V motor and lights. DO NOT USE HIGHER AMP FUSE.

B-FUSE BATTERY CIRCUIT-ACC-for connection of positive leads from 12 V electrical equipment-such as CB, radio, TV, stereo, unfiltered fluorescent lights-requiring battery power. Utilize onlu if battery is connected to lug "C" in accordance with wiring instructions.

C-LUG FOR POSITIVE LEAD OF 12 VOLT BATTERY-Lug suitable for 14-6 CU conductor. DO NOT USE FUSE BEYOND CONVERTER OUTPUT RATING.

D-LUG FOR NEGATIVE LEADS OF CKTS. 1-6, ACC 1-3 AND 12 VOLT BATTERY.

MagneTek

Made In U.S.A.