DC Fuses

Fus holders for replaceable automotive type fuses are located on the upper right hand corner of the faceplate. Maximum fuse size and circuit identification are provided to the left of the fuse holders. To maintain safe and correct operation use only Little fuse type 257 fuse.

Connection of a 12 volt TV or Stereo

The 6600 Series power converter does not provide "filtered" DC to operate electronics; that equipment must be connected directly to the RV storage battery. MagneTek does have a filter choke available that will allow most radios to operate directly from the converter's unfiltered output. This choke (part number 6666A), rated at 1 amp maximum, is sufficient to operate most AM/FM cassette radios. Contact your local dealer for more information. MagneTek assumes no responsibility for equipment damage due to connection to the unfiltered output of the power converter.

Date Code

A manufacturing date and option code is stamped on the lower right of the label of each unit next to CODE. The date code is as follows: first digit(s) = month (1-12), second digit = week (1-5), third digit = last number of the year (1993 = 3). (e.g. CODE 143CH = fourth week of January, 1993. Charger and 15/15 breaker).

Specifications

**MODEL 6606**

Input: 120 volts, 80 hertz, 1.2 amps
Output: 12 volts, 6 amps
Faceplate: 7" x 14" Cut-out: 6.25" x 12.75"
Weight: 6 pounds
UL Listed for Canada and U.S.A.

**MODEL 6612**

Input: 120 volts, 80 hertz, 2.4 amps
Output: 12 volts, 12 amps
Faceplate: 7" x 14" Cut-out: 6.25" x 12.75"
Weight: 8 pounds
UL Listed for Canada and U.S.A.

**MODEL 6620**

Input: 120 volts, 80 hertz, 3.5 amps
Output: 12 volts, 20 amps
Charger: 5 amperes max, 14 volts finish charge (models with CODE C only)
Dimensions (H, W, D): 5.625", 12.25", 5.0"
Faceplate: 7" x 14" Cut-out: 6.25" x 12.75"
Weight: 11 pounds
UL Listed for Canada and U.S.A.

**MODEL 6626**

Input: 120 volts, 80 hertz, 4.0 amps
Output: 12 volts, 26 amps
Charger: 5 amperes max, 14 volts finish charge
Dimensions (H, W, D): 5.625", 12.25", 5.0"
Faceplate: 7" x 14" Cut-out: 6.25" x 12.75"
Weight: 13 pounds
UL Listed for Canada and U.S.A.

12 Volt DC output wiring to RV circuits:

- Red - Battery Positive (and charger if applicable)
- White - Battery and DC Appliance Negative
- Blue - Positive DC output circuit #1
- Blue/White stripe - Positive DC circuit #2
- Blue/Black stripe - Positive DC circuit #3
- Blue/Red stripe - Positive DC circuit #4

Mounting (all units)

Horizontal mount only in a vertical plane, with the bottom edge of the faceplate 1" (one inch) above the floor for door opening clearance. Do not mount in the same compartment as batteries or flammable material such as gasoline.

RV & Marine
305 North Briant Street
Huntington, Indiana 46750

6600 Series
Power Converter Owners’ Manual
**Introduction**

The 6600 Series power converter installed in your RV is the heart of the DC electrical system. It is manufactured with pride in the U.S.A. by MagneTek.

We are confident that it will give you outstanding performance for many years. If you have any questions or comments about this product, please contact MagneTek’s customer service representative at the address or phone number listed below:

MagneTek
305 North Briant Street
Huntington, Indiana 46750
(219) 356-7101

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**General Information**

Primarily, the 6600 Series converts the park 120 volts AC into 12 volts to operate your DC appliances such as 12 volt lights, fans, furnace and water pump. The 6600 Series also contains the RV’s 120 volt AC breakers that protect the AC appliances and outlets. All 6626 models (and 6620 models with code “C”) also contain an automatic battery charger that will charge the RV battery while the RV is plugged into shore power.

All user functions (resetting breakers, replacing DC fuses, and manual power transfer) are accessed by grasping the upper area of both sides of the plastic door and pulling.

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**Operation**

The power converter operates only when the RV is plugged into a 120 volt receptacle. The 6600 Series models are rated for use with a standard 120 Volt 30 amp RV type shoreline cord. All 6600 Series models contain over temperature protection; if the unit is loaded beyond the nameplate rating or the ventilation slots are obstructed, the unit will cycle off then automatically turn back on.

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**12 Volts DC From Converter (models 6606, 6612)**

To operate DC appliances from the converter, plug in the shore-line cord of the RV to a 120 volt, 30 amp receptacle. A manual “Converter-to-Battery” switch, located behind the plastic converter door, on the lower right hand corner of the faceplate, must be in the “CONVERTER” position.

No damage will result if the switch is left in the “BATTERY” position, but the DC appliances will be operating from battery power, which will eventually be depleted.

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**12 Volts DC From Battery (models 6620, 6626)**

To operate the DC appliances from battery power, the RV shoreline cord must be unplugged, or you may shut off the AC branch circuit that protects the converter, which is the first 15 amp breaker from the left on the converter faceplate.

When the shoreline cord is unplugged or the converter AC circuit is off, an automatic relay connects the DC appliances to the battery. This same relay disconnects the battery from the DC appliances when the shoreline is plugged into 120 volts AC, allowing the power converter to operate those appliances.

Note: If batteries are not installed, the DC appliances will only operate when the converter is on.

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**Automatic Battery Charger**

(standard on model 6626, code “C” on model 6620)

The 6600 Series charger is fully automatic and regulated, which means it always monitors the battery condition and sends the correct amount of current needed to recharge and maintain the battery, without over-charging.

The charger is protected by a 5 amp automatic reset circuit breaker. In the event of the charger being overloaded, the breaker will “ping” off, and reset momentarily. If this condition continues for more than 30 minutes, the charger may be damaged permanently.

**AC Power Distribution Section**

All 6600 Series converters contain the AC breakers that protect the AC appliances. These appliances may include, but are not limited to, AC receptacles, the power converter and roof air conditioners.

If a breaker trips because of an overload, reset it, first by shutting the breaker off (moving the handle down), then turning the breaker back on by moving the handle up.

Note: If the breaker trips again, there exists an electrical malfunction and help from a qualified RV or electrical technician must be obtained.

The ratings of the circuit breakers in the 6600 Series are indicated on the breaker and by the option code letter, stamped on the lower-right of the front label adjacent to CODE. Below is the code and description:

- C : Charger (optional on 6620 only)
- D : 30/15 duplex, 15/20 duplex
- H : 15/15 duplex
- O : 15/20 duplex

(e.g. CODE 524D = manufactured the second week of May, 1994. Contains 30/15 and 15/20 breakers)

AC branch circuit identification is provided on the faceplate directly below the breakers. The converter will always be connected to the first 15 amp breaker on the left.