

7200 Series Owner's Manual

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 available today. The MagneTek 7200 series electronic switch mode power converters have been designed to give you many years of trouble-free use.

These revolutionary RV power converters utilize technology developed for power supplies in computers that eliminates the loud, bulky, inefficient power converters of yesteryear.

If you have any comments, contact MagneTek's Customer Service Representative at the address, Fax or phone number below.

MagneTek

721 N. Webster Street
Kokomo, IN 46901
(317) 452-5444

FAX (317) 459-3358

General Information

A regulated 12-volt power supply, the 7200 series, is maintenance free. It is so self-sufficient and quiet that you will not even know it is working except for the fact that your batteries are always charged, and your 12-volt lights and appliances always work. If any 12-volt appliance fails to operate, first locate your RV's 12-volt distribution fuseblock 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 an electrician or certified RV technician locate the circuit trouble.

If the 7200 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.

Operation

The 7200 series power converter has been tested for the utmost safety, it is output short-circuit proof, and is both UL listed and CSA certified. The 7200 series is also FCC Class B certified so that it should not interfere with any other electrical equipment as some power converters do. Some interference could occur from accumulations of multiple sources.

The 7200 series is a power supply for all your 12-volt appliances and a regulated battery charger. Being a regulated battery charger, it can be left on for months without the worry of overcharging your coach batteries. The actual converter rating is available for battery charging (e.g. the 7240 is rated at 40 amps output), if left on for long periods of time, you should check the battery water level as necessary, because all batteries will "gas" if continuously left connected to a charger. MagneTek recommends turning the 7200 on once a month during long periods of no use to keep your batteries maintained.

Some 7200 series models utilize cooling fans to keep critical parts cool for indefinite use. For more details on the fan operation, read the section entitled 'Converter Cooling System'.

Converter Operation

The MagneTek 7200 Series electronic power converter is designed to supply the nominal 12 volt filtered D.C. 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 reverse-polarity will permanently damage the power converter and is not covered by warranty!

If the supply voltage exceeds 133VAC the converter will shutdown and will automatically resume operation when the high voltage condition is resolved. If the 12 volt load exceeds the converter output rating the output voltage will drop to prevent any further increase in current. Turn off some 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 converters air circulation is not blocked, or turn off some of the 12 volt load.

Battery Charger Performance

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 motor 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 MagneTek 7200 SERIES power converter is capable of delivering its **full rated output** to the battery(s) if needed, but will taper off to a few hundred milliamps as the battery(s) voltage approaches 14.0 VDC.

Converter Cooling System

The 7200 electronic fan cooling system is the key to long life and trouble free operation. The variable speed fan control system is continuously updating ventilation requirements to maintain cool long life operation. Fan speed will vary with 12 volt load demands and changes in the ambient air temperature. Fan speed is never higher than required to cool the electronic components in the converter. You may never hear the fan operate.

Mounting Location

The 7200 series converter is designed for **indoor use only!** Do not mount in engine compartment or other harsh environments; avoid areas where high levels of dust, dirt, or moisture may occur.

The MagneTek 7200 series power converter is of solid state design and does not contain relays or mechanical devices that produce arcs or sparks, but in the unlikely event that an electronic component would fail, MagneTek does not recommend mounting the power converter in battery compartments or in areas where flammable materials are stored.

Wire Routing

In order to minimize radio and T.V. interference avoid routing supply and output wiring across fan intake or adjacent to ventilation slots on sides and rear of converter.

Mounting Position

The 7200 fan cooled converters may be mounted in any position as long as clearances and ventilation requirements are compiled with.

Input Supply Requirements

Connect to a 120VAC 60HZ 3 wire grounded supply with no larger than 20 ampere circuit protection.

Mounting Clearances

Provide a minimum of three inches to the top (fan side) and two inches to the sides and rear of the converter. Do not mount in zero clearance compartments, overheating and thermal shut down will result.

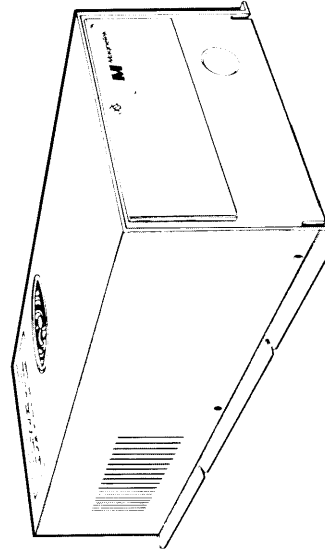
MagneTek

721 NORTH WEBSTER STREET

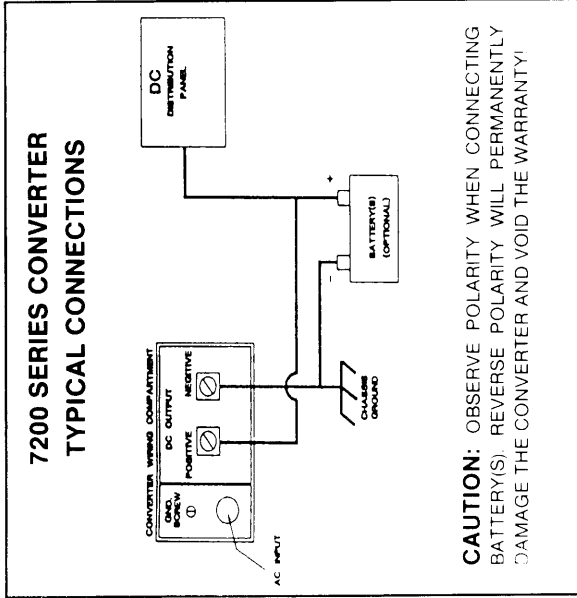
KOKOMO, INDIANA 46901

PHONE: 317 / 452-5444

7200 Series Converter/ Battery Charger Owner's Manual



Typical Connection Diagram:



Warranty Statement

MagneTek, Kokomo 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 MagneTek 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.

MagneTek

721 North Webster Street
Kokomo, IN 46901
(317) 452-5444

PR-7096

Complies With F.C.C. Class B	Testing Agency	Fan Cooled	Weight	Dimensions			D.C. Output		A.C. Input		MagneTek Model Number
				Depth	Width	Height	Amps	Volts	Volts	Watts	
Yes	UL C.S.A.	Yes	7.25 lbs.	15.75"	7.125"	4.5"	40	14.0 max. @ no load 13.2 min. @ full load	105-130 60Hz	660	7240X
Yes	UL C.S.A.	Yes	7.25 lbs.	15.75"	7.125"	4.5"	55	14.0 max. @ no load 13.2 min. @ full load	105-130 60Hz	930	7255X

7200 Series Specifications: