

SPECIFICATIONS

MODEL	INPUT		OUTPUT			OVERLOAD PROTECTION	
	Voltage	Freq	Voltage	Freq	Power Maximum Current		
500VA	140V to 260V	50Hz	220V±10%	50Hz	500VA	2.3A	3A
1000VA					1000VA	4.5A	8A
1500VA					1500VA	6.8A	10A
2000VA					2000VA	9.1A	12A
3000VA					3000VA	13.6A	16A
5000VA					5000VA	22.7A	25A
8000VA					8000VA	36.3A	32A
10000VA					10000VA	45.5A	40A

All models are single phase.
Action/transfer time is less than 0.5 second.
Waveform is sine wave, with no distortion.
Delaying output time is in the range of 6Sec/120Sec.
The high protect output voltage is 255V.

CAUTION

- Avoid overloading.
Do not use the regulator beyond its maximum output power.
- When connected to any appliance with built-in motor compressor, the starting power is generally several times of the appliance's listed power rating. Make sure that the total starting power capacity of all connected appliance does not exceed the listed maximum output power of the regulator. For color TV, calculate it twice as its listed capacity. Make sure that the regulator is of the same output voltage and frequency as the appliance's it connected. Make sure that the voltage of electrical source is within the listed range of the input voltage of the regulator.
- Always place the regulator in an environment that is:
 - well ventilated.
 - not exposed to direct sunlight or heat source.
 - out of reach from children.
 - away from water, moisture, oil or grease.
 - away from any flammable substance.
 - secure and no risk of falling.
- The input plug and output socket are subject to change according to different country and area.



GOLDSTAR
KOREA TECHNOLOGY

ROTARY VOLTAGE CONVERTER

Instruction Manual



GOLDSTAR INTERNATIONAL ELECTRIC Co., LTD

ISO9001 CE



MODEL:

LG-1P-500-TA/LG-1P-1K-TA/LG-1P-1.5K-TA/LG-1P-2K-TA
LG-1P-3K-TA/LG-1P-5K-TA/LG-1P-8K-TA/LG-1P-10K-TA

Innovative Power Enhancement Formula for more stable and pure power

COLOR SCREEN



Green:	Direct Output
Green+Red:	Boost Regulating
Red:	Buck Regulating



Green:	Delay time ended, AVR resume output
Yellow:	AVR under delay status, no output



Green+Red:	Output voltage is approaching protection range.
Red:	Output low voltage protection: <180V; Output high voltage protection: >255V; Input high voltage protection: >285V.



Green:	Working Temperature of the transformer in safe range.
Red:	Transformer over 115°C~120°C, Over-heat protection auto start, output cut-off.

140

AVR shows the input voltage digit when start-up. It will be flashing "H" and cut off the output when input voltage is more than 285V.

220

- 1) Delay count down once turn on the AVR;
- 2) AVR shows the output voltage digit once Delay time ended (Within the precision range, AVR shows steady 220V);
- 3) If AVR is operating abnormally, it will be shown the relevant code.
Flashing "H": output voltage over 255V;
Flashing "L": output voltage lower than 180V;
Flashing "-": Transformer over 115°C~120°C.

DELAY/UNDELAY SELECTOR

If this regulator is used for refrigerant appliance, please select "DELAY", so as to minimize the opportunity of damage to the motor compressor. If not, please select "UNDELAY".

USB OUTPUT

The output peak current of USB charging is 2A. The nominal current is 1.5A. There is overload protection, the max. protective current is 2.1A. When over voltage/undervoltage/over temperature delay, the output of USB is 0V. Suitable for many kind of mobile phone, such as android, apple and etc.

POWER PROTECTED SWITCH

This is the general power switch of the regulator.

PRECISION SELECTOR

The default position is 10%. When you press down the Precision Selector Button, the precision will be 8%.

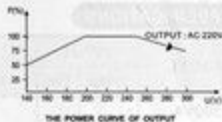
500VA
1000VA
1500VA
2000VA



3000VA
5000VA
8000VA
10000VA

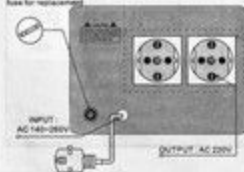


IF THE INPUT VOLTAGE IS IN THE RANGE OF 190-247V, THE REGULATOR IS ABLE TO PROVIDE 100% LISTED MAXIMUM OUTPUT POWER. MAXIMUM OUTPUT POWER WILL CHANGE AS THE CURVE SHOWN BELOW.



500VA/1000VA/1500VA/2000VA

Use the same current
fuse for replacement



INPUT:
AC 140-280V

OUTPUT: AC 220V

Characteristic

1. Digital display meters are more accurate, stable and easy to read the voltage status at a glance.
2. This unit comes with individual circuit breakers for both input and output voltage along with dual switches which ensures double protection.
3. This unit has a built-in new generation CPU, which ensures consistency and stability to the AVR unit.

3000VA/5000VA



1. Unravel the iron sheet at the bottom of the stabilizer.

2. Pull out the plastic cover on the terminal plate.

3. Connect input and output terminals correctly.

4. When connection finish, cover the terminal plate and put on the iron sheet.



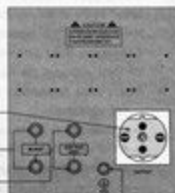
INPUT: AC 140-280V

OUTPUT: AC 220V



OUTPUT: AC 220V

8000VA/10000VA



OUTPUT: AC 220V

INPUT:
AC 140-280V

OUTPUT: AC 220V

GROUND TERMINAL

MAKE SURE THAT THE TOTAL LOAD POWER DOES NOT EXCEED THE LISTED MAXIMUM OUTPUT POWER OF THE REGULATOR.