



# Automatic Voltage Regulator Instruction Manual



**MODEL :**  
**KDS-3000VA**  
**KDS-5000VA**

*Innovative Power Enhancement Formula for more stable and pure power*

ISO9001 CE

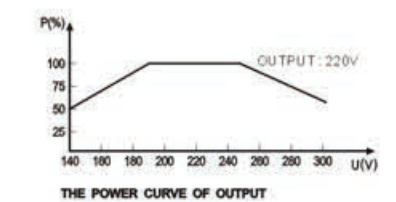
## SPECIFICATIONS

MODEL	INPUT		OUTPUT				FUSE
	Voltage	Freq	Voltage	Freq	Power	Maximum Current	
KDS-3000VA	140V to 250V	50 Hz	220V +/- 1~3%	50Hz	3000VA	13.6A	—
KDS-5000VA					5000VA	22.7A	—

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 6S/120S.  
The high protect output voltage is 255.

## CAUTION

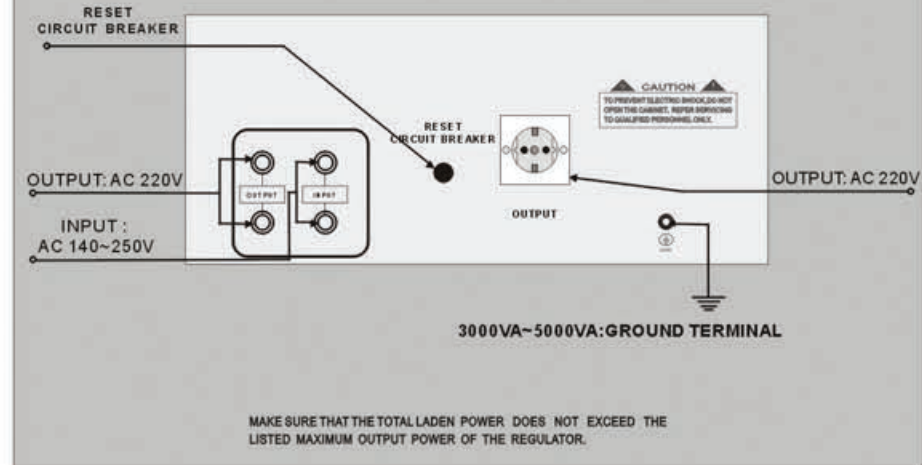
- Avoid overloading  
Do not use the regulator beyond its maximum output power.
- When connected to any appliance with built-in motor compressor, the starting power is generally several times of the appliance's listed power rating. Make sure that the total starting power capacity of all connected appliance 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.



IF THE INPUT VOLTAGE IS IN THE RANGE OF 190-250V, THE REGULATOR IS ABLE TO PROVIDE 100% LISTED MAXIMUM OUTPUT POWER. MAXIMUM OUTPUT POWER WILL CHANGE AS THE CURVE SHOWN BELOW.



## KDS-3000VA/5000VA



- 01 DELAY SELECTOR**  
When the "DELAY" switch is in normal condition, the delay output time be 6 Seconds. When press on the "DELAY" switch, the delay output time will be 120 Seconds.
- 02 PRECISION SELECTOR**  
When select precision  $\pm 1\%$ , the output voltage will be  $220 \pm 3V$ , When select precision  $\pm 3\%$ , the output voltage will be  $220 \pm 6V$ .
- 03 POWER SWITCH**
- 04 NORMAL**  
Utility power in normal condition.
- 05 UNUSUAL**  
Flashing indicates malfunction and overload.
- 06 DELAY**  
It is delay message.
- 07 PRECISION**  
Shows precision amount.
- 08 OVERLOAD**  
UPS overload. The buzzer emits continuous alarm for 30 seconds.
- 09 OVER VOLTAGE**  
Voltage too high.
- 10 BROWNOUT**  
Voltage too low.
- 11 INPUT VOLTAGE**  
Shows input voltage.
- 12 OUTPUT VOLTAGE**  
Shows output voltage.
- 13 LOAD**  
Load capacity indicator.

