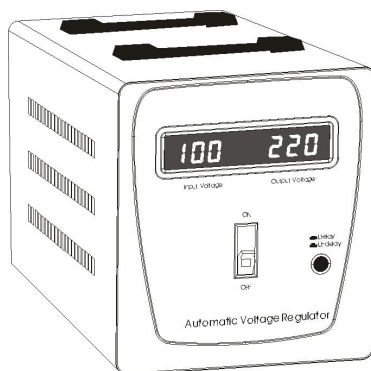


AC. AUTOMATIC VOLTAGE STABILIZER USER'S MANUAL



500VA/1000VA/1500VA/2000VA/3000VA/5000VA/8000VA/10000VA

Important safety instructions

This manual contains important safety instructions that should be followed during the installation and maintenance of the AVS. Please read this manual thoroughly before attempting to install or operate this AVS. This equipment can be installed and operated by individuals without previous training.

2. This equipment is designed for home & commercial use only. The manufacturer neither recommends nor knowingly sells this product for use in critical life support applications.
3. This AVS must be earthed at all times during operation. Connect only to a mains supply socket outlet with an earth connector. A means of disconnection of the mains supply should be within 2 meters of the AVS.

CAUTION:

Although your AVS has been designed to assure personal safety, improper use can result in electrical shock or fire. To insure safety, please observe the following rules:

- a. Turn off and unplug your AVS before cleaning. Do not use liquid or aerosol cleaners.
- b. A dry cloth is recommended to remove dust from the surface of your AVS.
- c. do not install or operate your AVS near water.
- d. Do not place the AVS on an unstable cart, stand or table.
- e. Do not place the AVS under direct sunlight or close to heat emitting sources.
- f. Do not place the AVS power cord in any area where it may get damaged by heavy objects.
- g. Do not overload or short circuit the AVS .
- h. Follow all warnings and instructions marked on the AVS.

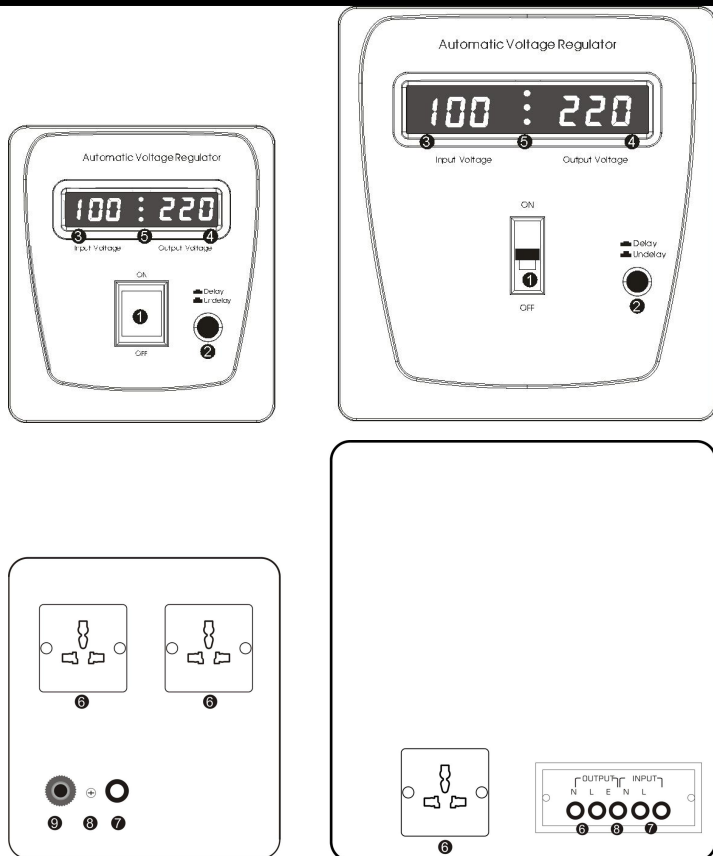
Installation Instructions

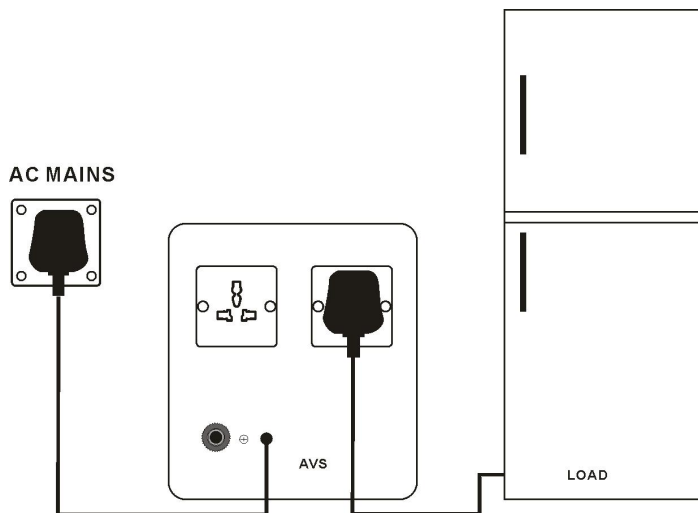
Inspection: Inspect the AVS upon receipt. Do not use the AVS if the product is with received with visible deformation or damage. Make sure that the AVS do not have any mechanical damages.

Follow the steps below:

1. If necessary perform grounding of the casing of the AVS by connecting grounding wire to the corresponding terminal, or at least make sure that the mains outlet is grounded and available with 3 pins connection.
2. **Connect to Utility:** You must turn off the load before connect the AVS to utility power. The AVS can be connected to the utility power via the attached power cord and plug (500VA-2KVA), for 3KVA to 10KVA, please use proper cables to connect the AVS to the utility power.
3. Switch on the AVS and read the voltage meter if it has output. Then switch off the AVS.
4. Plug the loads into the output sockets of the AVS.
5. Switch on the AVS and then switch on the load.

Presentation





①**Power Switch:** ON/OFF switch, always switch to OFF mode during installation and maintenance.

②**Delay/ undelay Selector:** Press to select the delay time of the AVS.

③**Input Voltage Meter:** By voltage meter or digital LED meter showing the input voltage.

④**Output Voltage Meter:** By voltage meter or digital LED meter showing the output voltage

⑤**Working status indicators:** **Power indicator:** Green LED, Lighting when the AVS works properly.

Protection Indicator: Red LED, Lighting when the AVS is malfunction or under protection. **Delaying**

Indicator: Yellow LED, Lighting or flashing when the AVS is in Delaying, by default the AVS is set for 6 seconds delaying. to take inductive or capacitive load such as compressor or motor based equipments, select 180 seconds delaying time.

⑥**AC output socket receptacle,** the output socket of your AVS may be different from the above image.

⑦**AC input power cord(500VA-2KVA),** AC input terminal connectors, connect to AC mains.

⑧**Grounding screw or terminal,**Please follow the local law to apply proper connection.

⑨**Circuit breaker for 500VA-2000VA.**

Performance

Automatic Voltage Stabilizer Automatically regulate the input voltage to a more stable level for your appliances to avoid damages to the appliances. By means of innovative software control programs, the complicated hardware circuitry is inlaid in the powerful microprocessor. Apart from reduced size, it also lowers the defective rate of AVS and the accuracy in the regulations.

Voltage Display: Through 2 MCU controlled digital voltage meters show both the input and the output voltage of the device.

Delay Time: Upon the switching on or resuming from the protections, the AVS will wait 6 or 180 seconds before it give output voltage.

Operation Principle: The CPU based intelligent circuit samples the input voltage and controls the action of the relays and opening of the tap of the transformer in a proper combination to adjust the output voltage.

Specification								
Model	500VA	1000VA	1500VA	2000VA	3000VA	50000VA	8000VA	10000VA
Power Factor	0.6~0.8							
Input								
Nominal Voltage	220/230Vac							
Regulation Voltage	130~260Vac/ 100~260Vac							
Frequency	50/60Hz							
Output								
Output Voltage	220V/230V ±8% (when input with Regulation Voltage range)							
Hi cut voltage	260±5VAC							
Low cut voltage	180±5VAC							
Frequency	50/60Hz auto sense							
Safety cycle	6seconds/180seconds selectable							
Regulation %	±8%							
Number of Taps	5/7 taps							
Transformer Type	Toroidal Auto Transformer							
Control Type	Relay type							
Indicator								
Working	Green LED lighting (inside the Digital screen)							
Delaying	Yellow LED lighting (inside the Digital screen)							
Fault/Protection	Red LED lighting (inside the Digital screen)							
Voltage Meter	2 Digital LED voltage meter (inside the Digital screen)							
Protection								
Breaker/Fuse	5A	7A	10A	12A	16A	25A	40A	50A
Over-current	Yes,Auto Shut down							
Short Circuit	Yes, Auto Shut down							
Dimension(mm)	210x155x155		210x155x190		330x225x265		405x260x310	
Net Weight(kgs)	2.8	3.6	4.5	5.5	7.5	9.5	15.5	16.5

Product Specifications are subject to changes without prior notice.