



AC AUTOMATIC VOLTAGE REGULATOR

MVR 10~20KVA(Cooper)

User Manual

1. Summary

This series voltage stabilizer got great progress in recent years. Product sales network covers most cities and regions domestic and exported to many countries overseas. To better exert the properties and strict quality management system.

Of the machine, please read the manual carefully before use .

2. Performance

1) This series automatic voltage regulator are relay-type .It features small dimension ,light weight ,small distortion of output wave-form and quick reaction .

2) This series has protection of overload ,over voltage . When it is overload or over voltage ,the machine will cut off outpower automatic-ally.

3)The input voltage range of this product is 95–270/280V . (or60–280V). when the grid voltage varies from 95–270/280V (or60–280V),the output will always keep in the 220V +10%. It is especially suitable for power grid voltage fluctuations within the scope of this situation .

4)The product with excellent circuit design is made from the high quality raw materials , so it failure rate is low , long life , safe and reliable operation .

3. Application

This series products are widely applied in various industries, small office equipment and household refrigerators, freezers, electric fan, TV and electrical appliances and other general electronic devices need to be stabilized voltage.

4. Technical Parameters

Model	Input	Output	Protection
95 series	AC 95-270V AC 95-280V	AC 220V \pm 10%	AC 246V \pm 4V
60 series	AC 60-270V AC 60-280V		
45 series	AC 45-270V AC 45-280V		

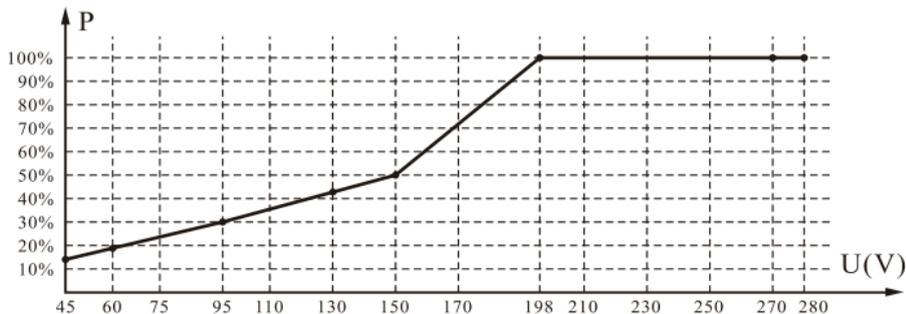
Performance	Parameter	Performance	Parameter
Nominal voltage value	220V/50HZ	Operation way	continuous
Temperature rise	<80K	safety index	(1)insulating resistance: normally more than 5 M Ω (2)electricity strength: 1.5KV/mins no flash-over breakdown
Ambient environment	-20 $^{\circ}$ C~50 $^{\circ}$ C, relative humidity<95%, elevation<4000m		

5. Using Direction

1) Please turn off the electricity appliance before turn on the power switch .Connect the electrical equipment from big power to small in turn after the output voltage stabilizer to normal .

2) The unit adopts fuse or automatic air switch as over-load and short-circuit protection .Please check up those devices before operation .

3) The unit should not be used under the condition of overload . When it is used in regions where low voltage exists ,it should be noted that the effective used volume should be decreased proportionally,the correlation of which is shown below:



6. Notice:

- 1) To prevent electric shock non-professionals should not open the shell.
- 2) Don't use the machine in corrosive air(e.g.oil fume,steam,etc).
- 3) During normal operating ,it will be heat normally .Be observant to avoid it mantled by any things so as to disturb heat-away.
- 4) When your loads are the electrical appliances such as fridge, freezer, air conditioning.,etc which need large current when start the rated power must selected more abundant 3 times than your load .
- 5) The machine should not be used in merging connection.
- 6) If the display doesn't work or the machine doesn't regulate again , should sent it to the agency or the company maintenance . Company is not responsible for the damages caused by any personal changes with the machine.
- 7) After use,turn off the power switch of electrical appliances first, then switch off the power in the stabilizer.Please don't use the switch of stabilizer as the master switch for all the electrical appliances.

7. Maintenance instruction

Trouble Encountered	Possible Causes	Trouble-shooting
The screen does not work after turn on the power	1.Didn't Connct well ; Screen breaks down 2.No input	1.Check the connection line . 2.Replacement display screen
Indicate over voltage no output indication	Over input voltage	Wait until supply voltage adjusted to the voltage scope
Indicate over voltage no output indication	Overload protection	Power off and reduce the load , wait about 20minutes
Air odor	1.Airless 2.Overload too much	1. Make the air circulation 2.Reduce load

8. After-sales Service

Make it a condition that the user abide by the rules of keeping , install and operate,starting from the date of stalled within 12months, or within 18 months from the date of consign product to user.If the product's unqualified result in damage and abnormal operation, manufacturers will bear responsibility for maintain or replace or refund.

9. Annexment

Product specification 1 copy

Certificate of competency 1 copy

WARRANTY CARD

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GUARANTEE CLAUSE

To purchase this product, please fill in this card carefully and read the following warranty terms carefully, to ensure effective warranty of the product;

- 1.This warranty card shall be provided simultaneously with the warranty;
- 2.The warranty period of the product is 2 year. In the warranty period, if occurred failure of the product,poor quality of the original device or the production problem, the company provides free maintenance and replacement;

Below reason causes the product damage to cannot use normally, not within warranty scope

- 1.Damage caused by failure to use in accordance with instructions
- 2.All products considered to have been damaged or accidentally caused
- 3.Failure of repair, modification or sealing tape of the product without approval of the company
- 4.Aging, bruising and scratches on product surface

After the expiration of the warranty, the user can still get the maintenance services provided by the company, but the corresponding costs shall be paid

USER INFORMATION

DEAR CUSTOMER: Thank you very much for purchasing our products. In the future, you will enjoy our one-year warranty service.

USER NAME	
MOBILE NO.	
ADDRESS	
SERIAL NO.	
CODE NO.	
DATE	

