SVC
500VA-5000VA

USER MANUAL

CONTENT

1. Safety Cautions

Please comply with the following instructions to make sure safety using

Keep the equipment in adequate ventilation and clean environment minimum 100mm away from the wall . During using the equipment, it is normal that the case surface temperature reach around 50

There is voltage output for AVR when switch on; There is no voltage output when switch off

Do not open the cover in case getting an electric shock.

Do not place any liquid container on the top of the equipment in case of equipment damaged or danger of electric shock.

Do not use under overload in case of any danger

Do not store or use the equipment in the following environment

- The place which has flammable gas, corrosive things or a lot of dust;
- The place where temperature is abnormally high or low (above 40 or below -10 , or humidity is high (above 90 ;
- The palce under sunshine or the place close to the heater instrument;
- The palce which has strenuous vibration
- The place where the children can reach easily

If there is fire, please use powder fire extinguisher. It is dangerous to use fluid extinguisher;

Place receptacles near by the equipment, in case of emergent states needed to unplug and cut off the power.

Within range of rated voltage ±25 50/60Hz, the equipment provide 100 power output; if beyond the range, the output power should be in accordance with the following diagram:

Input voltage and output power curve
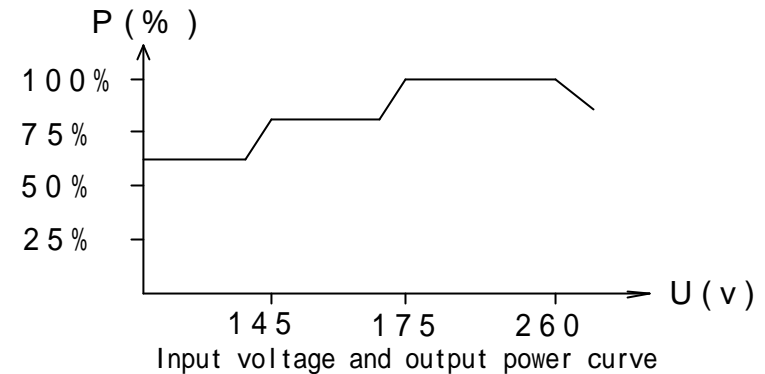
Warning The equipment must properly grounded.

2. Feafures

2.1 Time-delay output function

All stabilizers have time-delay output function, press the time-delay button on the front panel (choose 180sec/6sec), meanwhile the time-delay indicator light will illuminate, here the AVR is in protection states without output, it can provent electromotor, refrigeratory and compressor etc. from being damaged due to frequent on and off.

2.2 Automatic protection function

The equipment inside has Integrated automatic protector, it make real-time monitoring of the output voltage and completely protect the load. When the output voltage <180V or>255V, the stabilizer will cut off the output automatically, meanwhile the "high/low" indicator light on the front panel

will illuminate, it protects the load from electrical safety. When the mains recovers to be normal, the equipment will automatically output according to user's time-delay setting.

2.3 Overload/overheat protection

When an equipment works for a long term under overload, high voltage/ low voltage, it will cause damage. Therefore this product has a special circuit design for overheat, overcurrent protection. When the product inner temperature is higher than the settled standard value, it will automatically cut off the power and turn off, it will prolong using life of the stabilizer.

2.4 Frequency adaptive

The equipment adopts advanced micro-computer controled system, it will automatically track the mains frequency 50HZ or 60HZ, automatically adjust datas collection system, adapt the system frequency requirement and fullfill the voltage regulation to meet the output requirement.
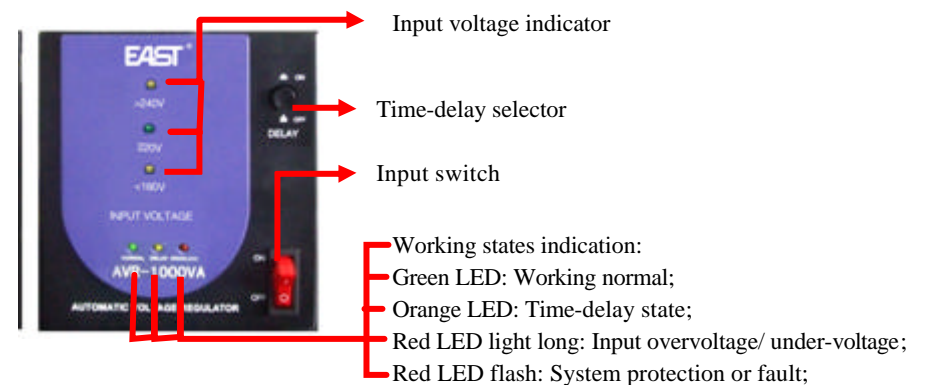
3. Specifications

Model	SVC-500	SVC-800	SVC-1000	SVC-1500	SVC-2000	SVC-3000	SVC-5000
Rating Power	500VA	800VA	1000VA	1500VA	2000VA	3000VA	5000VA

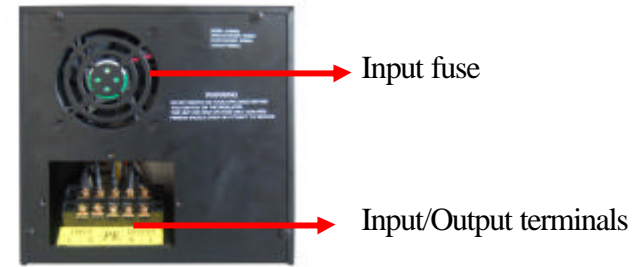| Input voltage	100/110/120/220/230/240 -35% +20 -45 +20 opti				
Output voltage	100/110/120/220/230/240± 8%				
P.F.	PF=0.6				
Short circuit protection	fuse breaker / breaker				
Efficiency	>98				
Temperature	0 40				
Humidity	10 90				
Panel display	LED/LED+Meter/LCD				
Communication	RS232/USB option				
Dimension (W*H*D)	125*155*265	140*200*285	210*2 10*30	220 0*3

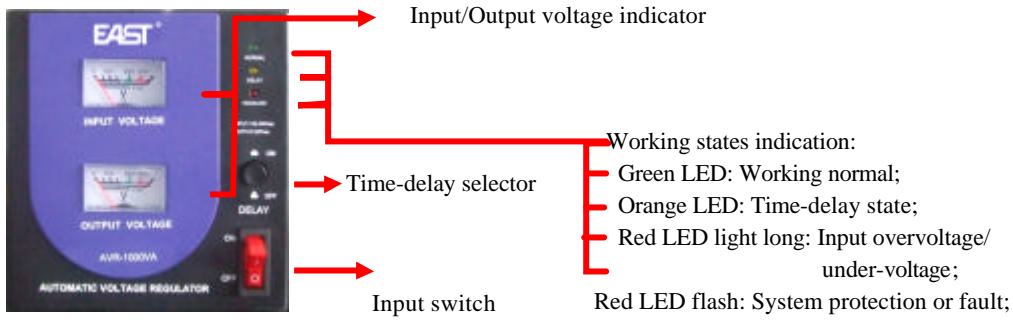Note　Input/output voltage/frequency can be customer-designed according to customers' need.

4. Product Introduction:

4.1 LED display:

Input voltage indicator
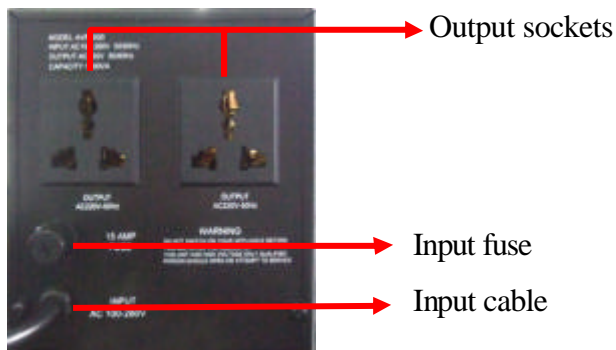
Time-delay selector

Input switch

Working states indication:
Green LED: Working normal;
Orange LED: Time-delay state;
Red LED light long: Input overvoltage/ under-voltage;
Red LED flash: System protection or fault;

4.2 Meter display

Input/Output voltage indicator

Working states indication:
Green LED: Working normal;
Orange LED: Time-delay state;
Red LED light long: Input overvoltage/
under-voltage;
Red LED flash: System protection or fault;

Time-delay selector

Input switch

Input fuse

Input/Output terminals

4.3 LCD display

Input/Output voltage indicator

Time-delay selector

Working states indication:
Green LED: Working normal;
Orange LED: Time-delay state;
Red LED light long: Input overvoltage/
under-voltage;
Red LED flash: System protection or fault

Input switch

5. Installation and Application

5.1 Shut down the load (such as host computer, fans ect.),
and remove their cables from the mains outlet;

5.2 Place the equipment properly (refer to Safety Cautions);

5.3 Connect the cable of the load with the O/P sockets or
terminals block of the AVR;

5.4 Connect the I/P cable (or terminals block) of the AVR with
The Mains outlet   or electrical source junction box . (Make
sure the N / L / G connected properly)

4.4 Socket-type rear panel

Output sockets

Input fuse

Input cable

Provide power to the Load

Input cable

4.5 Terminals-type rear panel
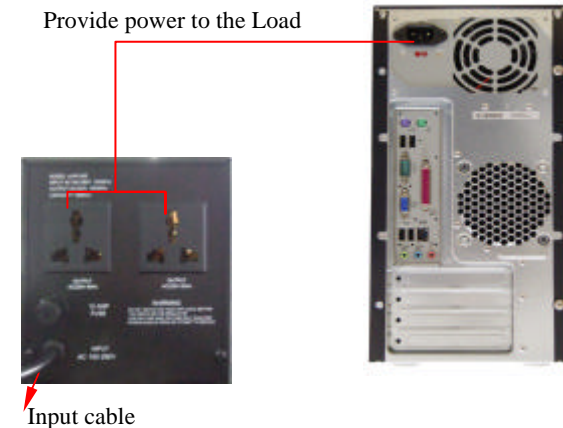
5.5 Plunged into the Mains, Select the time-delay output time

(3 seconds/ 180 seconds), and make switch "ON", then

AVR start up .The time-delay indicator (Orange LED) will

illuminate, the output will count down (3 seconds/ 180

seconds), and users can turn on the load after the green

indicator illuminate

5.6 Daily start-up: make panel switch "ON", AVR will provide

with an normal output;

5.7 Daily off: make panel switch "Off", AVR will be turned off;

6. Maintenance

6.1 Preventive maintenance: which can guarantee the
equipment realiablity and performance in a long term. Please
make the following inspections monthly:

1) Make sure the blowhole not be blocked.
2) Check whether there is too much dust on the surface.
3) Check whether the input or output cable is fixed and still
insulated.
4) Make sure the product not be damped.

6.2 Abnormal states handling If there is a failure, please

ask the engineer for help to avoid any further damage or

unnecessary cost.

If the equipment works abnormally, please do self-test as
following solutions. If still can not fix the problem, please ask
the distribute or manufacturer for help.

State	Solution
LED/LCD meters show nothing after start-up	Whether start-up normally? Whether the input power or fuse works normally?
No output, Time-delay indicator illuminate	The equipment is under time-delay state, please wait 6secs/180secs.
There is Mains, but the Equipment don't have output; high/low voltage indicator illuminate	Input voltage is beyond of AVR's standard range (higher or lower), please check the input voltage and use the equipment till the input voltage is normal.
The Mains is normal; high/low voltage indicator illuminate	The equipment output voltage is overhigh/overlow; please shut down the equipment first and restart. It problem still exist, please send it to the professionals for maintainance

7. Packing list:
1) Equipment   1PC
2) User manual   1pc
3) Fuse   1pc
4) Others   according to customer's requirement.