

CVT Type AVR

ELA series



Specially for high precision instrument

CVT Type Automatic Voltage Regulator is in small size, maintenance –free and service – free. It is highly adaptable to demand environment. Solid and durable resonance AVR has the following 10 advantages and will be the top choice for you in selecting AVR.

Feature:

- **Determined CVT Type AVR**
Output wave is sine wave and is not affected by input waveform
- **Fortified CVT Type AVR**
No electronic controlled circuit, only made up with 2 independent element. Excellent voltage regulation function and probability of mis-action is zero
- **Most durable CVT Type AVR**
Simple structure, excellent durability, extremely long MTBF-30 years overseas, in Taiwan, has been in service since 1973 (20 years warranty for the main body)
- **Delicate designed CVT Type AVR**
Output end short circuit or overload, current will be limited automatically and is ready for use when short circuit or overload is excluded (short circuit for 24 hours will not cause any damage)
- **Excellent Response Time**
Response Time is extremely rapid and is within 1.5 cycle
- **Total insulation between input and output**
Best noise filtering function (higher than 60 db). Best resistance to thunder strike, noise, electrostatic and high voltage pulse
- **Wide Range Input Voltage**
Under drastic rise or drop of input voltage ($\pm 45\%$) output voltage will be steady at $\pm 2.5\%$
- **Perfect Protection**
Uninterrupted Power Supply (UPS) characterized, power off 1-2 cycle (3/4 load) has not effect on output
- **AVR main body generates no noise**
The main body is ultra-insulated transformer that prevents peak wave, sink wave and high/low frequency and has best interference fending ability (more than 60db)
- **Viable Application**
Input voltage 110V or 220V
Output voltage can have 110V/ 220V at the same time

✧ Application:



Electronic Test Instrument



R&D Instrument



Optoelectronic Industry



Multimedia Equipment

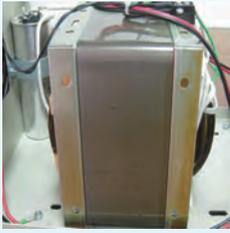


Industrial Computer



Audio Equipment

Insulated Output from Input



Best noise filtering ability allowing excellent resistance to thunder strick, noise, electrostatic and high voltage pulse

High Insulation Main Body CVT



Use laminated insulated material and repeated impregnated main body and has durability of more than 20 years

Switching Freely between 110V and 220 V



Input and output voltage can be changed per needs

Elegant Appearance Solid and Durable



Made up only with CVT and capacitor, without electronic element and is with ultra high MTBF

Top Level AC Capacitor



Use top brand AC capacitor and can be interchanged with magnetic energy and electric energy of CVT

Model & Specification :

Model No. (ELA-)	105	110	120	130	150
Capacity (KVA)	0.5	1	2	3	5
Voltage	A : 1 ϕ 2W 110V 60Hz B : 1 ϕ 2W 220V 60Hz B-5 : 1 ϕ 2W 220V 50Hz (From 2KVA to 5KVA, the output are 1 ϕ 3W 110-0-110V)				
Input Range	+15% ~ -20%				
Input Voltage Fluctuates Drastically	\pm 45%				
Output Accuracy	\pm 1%, while input voltage within +15% ~ -20% \pm 1.5%, while input voltage and load changed at the same time \pm 2.5%, while input voltage within \pm 45% (3/4 Load)				
Output Voltage Fixed	Inside without electronics circuit, to avoid mis-adjusting and make output voltage inaccurately				
Response Time	< 1.5 cycle				
Distortion	SHD: < 3% THD: < 5%				
Noise Filter	> 60db				
Efficiency	\geq 90%				
Protect Device	Short circuit or overload will have current limited automatically (not auto trip and cut off the power design)				
Environment	Temperature: -20°C ~ 50°C Humidity: 0% ~ 95% (non-condensing)				
Dimension WxHxD (cm)	21x19x35		27x46x49		