

AVR-1002 (SERVO-BASED)

THREE PHASE - 100 to 2000 kVA

SMART CPU CONTROL TECHNOLOGY

FEATURES

- **Independent Phase Regulation**
Individual phase regulation technology for better performance
- **Output Accuracy**
Precise output voltage regulation
- **SMT Technology**
Main Control PCB based on SMT process
- **Display**
Multi Info LCD Display
- **Protections**
Overload, Under/Over Voltage, Short Circuit, Bypass protection



AUTOMATIC VOLTAGE REGULATOR ELECTRO-MECHANICAL DIGITAL VOLTAGE CONTROL

AVR-1002

THREE PHASE

The i-power “Servo Voltage Stabilizers” provide protection against main power sags, surges and brownouts. It is ideal for environments that are subject to inconsistencies in the main supply. Each stabilizer has a wide input voltage tolerance and has been designed to provide the ultimate reliability in hostile environments where the quality of the main supply cannot be guaranteed.

The electro-mechanical servo based voltage stabilizer series adopts the latest control technology and offers an unrivalled combination of features providing exceptional performance and protection with great versatility and extremely high reliability. This product is extremely suitable for equipment that require highly reliable and stable power supply.

- **Smart CPU Control Technology**
Adapts smart CPU control technology to control all processes to increase system reliability.
- **Tested and Verified**
All devices are fully tested and verified for maximum performance.

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TECHNICAL SPECIFICATION

Model	R301040240S	R301240240S	R301540240S	R302040240S	R302540240S
Power Rating (KVA)	100KVA	120KVA	150KVA	200KVA	250KVA
Control Method	Servo Motor (Microprocessor CPU)				
Input Rated Voltage	3 x 400VAC (3Phase + N)				
Voltage Range	400VC \pm 20% (Optional: \pm 25, \pm 30%)				
Frequency	50/60 Hz				
Output Rated Voltage	3 x 400VAC (3phase + N)				
Stabilizing Accuracy	\pm 1~5% Adjustable				
Power Factor	PF \geq 0.8				
Efficiency	\geq 98%				
Response time	\leq 0.5S				
Delay time	\leq 5s (Optional)				
Waveform Distortion	\leq 1%				
Over Voltage	Power cut off in 3-5s if Output voltage >10%				
Under Voltage	Power cut off in 3-5s if Output voltage < 15%				
Overload	Power cut off in 3-5s				
Phase Dislocation	Alarm generated and Power Cut off				
Phase Loss	Alarm generated and Power Cut off				
Short Circuit	Power cut off				
Manual Bypass	Available				
Digital Display	Real-time display of input/output voltage, output current				
Working Status	AVR, Bypass, Fuse Blown, Over-voltage, Under-voltage, Over-load				
Cooling System	Air Cooled				
Insulation Resistance	\geq 2M Ω				
Noise	< 65dB/m				
Ambient Temperature	0°C-45°C (No condensation)				
Humidity	20%-90%				
Size WxDxH (mm)	650x1100x1200			650x1100x1200	
Net Weight (KG)	240	250	290	300	600
Product specifications are subject to change without further notice.					
Custom built solutions are also available to meet specific requirements					

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