

AVR-1001 (SERVO-BASED)

SINGLE PHASE - **1 to 10 kVA**



SMART CPU CONTROL TECHNOLOGY

FEATURES

- **Fully Rated Capacity**
Capable of delivering full rated capacity
- **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-1001 SINGLE 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	R100123223S	R100223223S	R100323223S	R100523223S	R101023223S
Power Rating (KVA)	1KVA	2KVA	3KVA	5KVA	10KVA
Control Method	Servo Motor (Microprocessor CPU)				
Input Rated Voltage	1 x 230VAC (1Phase + N)				
Voltage Range	230VC±20% (Optional: ±25,±30%)				
Frequency	50/60 Hz				
Output Rated Voltage	1 x 230VAC (1phase + N)				
Stabilizing Accuracy	±1~5% Adjustable				
Power Factor	PF≥0.8				
Efficiency	≥98%				
Response time	≤0.5S				
Delay time	≤5s (Optional)				
Waveform Distortion	≤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				
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	≥2MΩ				
Noise	<65dB/m				
Ambient Temperature	0°C-45°C (No condensation)				
Humidity	20%-90%				
Size WxDxH (mm)	200x220x200		243x342x280		303 x 402 x 320
Net Weight (KG)	7kg	9kg	14.5kg	18kg	30kg
Product specifications are subject to change without further notice.					
Custom built solutions are also available to meet specific requirements					