

# AVR-2001 (STATIC-BASED) SINGLE PHASE - **5 to 30 kVA**



## SMART CPU CONTROL TECHNOLOGY

### FEATURES

- **Non-Contact based technology**  
Non-contact based technology and free from abrasion & routine maintenance
- **Display**  
Multi Info LCD Display
- **Output Accuracy**  
Precise output voltage regulation
- **Fast Response**  
Fast response time against input voltage fluctuations
- **Protections**  
Overload, Under/Over Voltage, Short Circuit, Bypass protection

## AUTOMATIC VOLTAGE REGULATOR STATIC DIGITAL VOLTAGE CONTROL

## AVR-2001 SINGLE PHASE

The i-power “Static Voltage Stabilizers” provide protection against main power sags, surges and brownouts. It is ideal for locations 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 Non- contact voltage stabilizer series adopts the latest DSP operation control technology, fastest AC sampling, effective values calibrating, current zero-crossing switching and fast compensating voltage stabilizing technology to meet the new generation technology requirements. This product is extremely suitable for equipment that require highly reliable and stable power supply or environments where high amplitude of voltage fluctuation is common.

- **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.

# AVR-2001 (STATIC-BASED)

## SINGLE PHASE - 5 to 30 kVA

### TECHNICAL SPECIFICATION

Model	T100523223S	T101023223S	T101523223S	T102023223S	T103023223S
Power Rating (KVA)	5KVA	10KVA	15KVA	20KVA	30KVA
Control Method	SCR/Non-Contact (Microprocessor CPU)				
Input Rated Voltage	1 x 230VAC (1Phase + N)				
Voltage Range	230VC $\pm$ 20% (Optional: $\pm$ 25, $\pm$ 30%)				
Frequency	50/60 Hz				
Output Rated Voltage	1 x 230VAC (1Phase + N)				
Stabilizing Accuracy	$\pm$ 1~5% Adjustable				
Power Factor	PF $\geq$ 0.8				
Efficiency	$\geq$ 98%				
Response time	$\leq$ 0.04S				
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				
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 $\Omega$				
Noise	<65dB/m				
Ambient Temperature	0°C-45°C ( No condensation )				
Humidity	20%-90%				
Size WxDxH (mm)	280x550x300			350x600x400	
Net Weight (KG)	25	30	71	85	95
Product specifications are subject to change without further notice.					
Custom built solutions are also available to meet specific requirements					