## AVR-2002 (STATIC-BASED) THREE PHASE - 300 to 2000 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

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.

# AVR-2002 THREE PHASE

- 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.



## **TECHNICAL SPECIFICATION**

Model	T303040240S	T304040240S	T305040240S	T306040240S	T308040240S		
Power Rating (KVA)	300KVA	400KVA	500KVA	600KVA	800KVA		
Control Method	SCR/Non-Contact (Microprocessor CPU)						
Input Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)						
Voltage Range	400VC ±20% (Optional: ±25,±30%)						
Frequency	50/60 Hz						
Output Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)						
Stabilizing Accuracy	±1~5% Adjustable						
Power Factor	PF≥0.8						
Efficiency	≥98%						
Response time	≤0.06S						
Delay time	≤5s (Optional)						
Waveform Distortion	≤ <b>1</b> %						
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 Loss	Alarm generated and Power cut off (Optional)						
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	≥ <b>2M</b> Ω						
Voltage-endurance	The whole machine has no breakdown and no arcing phenomena for 2000VAC/ min.						
Noise	<65dB/m						
Ambient Temperature	0°C-45°C (No condensation)						
Humidity	20%-90%						
Size WxDxH (mm)	1050×700×1500		1200×800×1600		1500×1000×1950		
Net Weight (KG)	450	550	750	950	1200		
Gross Weight (KG)	550	650	890	1100	1400		
Product specifications are subject to change without further notice.							
Custom built solutions are also available to meet specific requirements							

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### **TECHNICAL SPECIFICATION**

Model	T310040240S	T312540240S	T315040240S	T320040240S		
Power Rating (KVA)	1000KVA	1250KVA	1500KVA	2000KVA		
Control Method	SCR/Non-Contact (Microprocessor CPU)					
Input Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)					
Voltage Range	400VC ±20% (Optional: ±25,±30%)					
Frequency	50/60 Hz					
Output Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)					
Stabilizing Accuracy	±1~5% Adjustable					
Power Factor	PF≥0.8					
Efficiency	≥98%					
Response time	≤0.06S					
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Working Status	AVR, Bypass, Fuse Blown, Over-voltage, Under-voltage, Over-load					
Cooling System	Air Cooled					
Insulation Resistance	≥ <b>2M</b> Ω					
Voltage-endurance	The whole machine has no breakdown and no arcing phenomena for 2000VAC/ min.					
Noise	<65dB/m					
Ambient Temperature	0°C-45°C (No condensation)					
Humidity	20%-90%					
Size WxDxH (mm)	1500×1000×1950 1500×1300×1950 2000×1500×1950					
Net Weight (KG)	1400	1600	2250	4200		
Gross Weight (KG)	1600	1850	2500	4450		
Product specifications are subject to change without further notice.						
Custom built solutions are also available to meet specific requirements						

## **Optional Features**

Input & Output breakers	Outdoor Enclosure IP-54	EMI / RFI Filter
Surge Protection	Neutral & Phase Failure Protection	Data Logging / Remote Monitoring

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