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

i-power®
Technology You Can Rely On

CE EMC

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-2002
THREE 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.

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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	≤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 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	≥2MΩ				
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)			
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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