

# AVR-2002 (STATIC-BASED)

## THREE PHASE - **10 to 250 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-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.

# AVR-2002 (STATIC-BASED)

## THREE PHASE - 10 to 250 kVA

### TECHNICAL SPECIFICATION

Model	T300140240S	T300240240S	T300340240S	T300540240S	T300840240S
Power Rating (KVA)	10KVA	20KVA	30KVA	50KVA	80KVA
Control Method	SCR/Non-Contact (Microprocessor CPU)				
Input Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)				
Voltage Range	400VC $\pm 20\%$ (Optional: $\pm 25, \pm 30\%$ )				
Frequency	50/60 Hz				
Output Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)				
Stabilizing Accuracy	$\pm 1 \sim 5\%$ Adjustable				
Power Factor	PF $\geq 0.8$				
Efficiency	$\geq 98\%$				
Response time	$\leq 0.06S$				
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				
Static Bypass	Available				
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	$0^{\circ}C \sim 45^{\circ}C$ ( No condensation )				
Humidity	20%-90%				
Size WxDxH (mm)	380x780x830				430x780x1170
Net Weight (KG)	80	85	88	104	153
Product specifications are subject to change without further notice.					
Custom built solutions are also available to meet specific requirements					

# AVR-2002 (STATIC-BASED)

## THREE PHASE - 10 to 250 kVA

## TECHNICAL SPECIFICATION

Model	T301040240S	T301240240S	T301540240S	T302040240S	T302540240S
Power Rating (KVA)	100KVA	120KVA	150KVA	200KVA	250KVA
Control Method	SCR/Non-Contact (Microprocessor CPU)				
Input Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)				
Voltage Range	400VC $\pm 20\%$ (Optional: $\pm 25, \pm 30\%$ )				
Frequency	50/60 Hz				
Output Rated Voltage	3 x 400VAC (3phase + N) (Optional: 380/415)				
Stabilizing Accuracy	$\pm 1 \sim 5\%$ Adjustable				
Power Factor	PF $\geq 0.8$				
Efficiency	$\geq 98\%$				
Response time	$\leq 0.06S$				
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				
Static Bypass	Available				
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	$0^{\circ}C \sim 45^{\circ}C$ ( No condensation )				
Humidity	20%-90%				
Size WxDxH (mm)	430x780x1170	520x850x1220			
Net Weight (KG)	168	213	232	274	323
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