# 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**

Marial					
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 ±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				
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	≥2MΩ				
Noise	<65dB/m				
Ambient Temperature	0°C-45°C (No condensation)				
Humidity	20%-90%				
Size WxDxH (mm)	380×780×830 430×780×1170			430×780×1170	
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					

This datasheet and its contents (the "information") belong to Interconnect Solutions Limited (the "company") or are licensed to it. No licience is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence pf any intellectual property rights is granted. The information is subject to change without notice and replaces all data previously supplied. The information supplied is believed to be accurate but the Company assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this datasheet should check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the information or use of it (including liability resulting from negligence or where the Company was aware of the possibility of such loss or damage arising) is exceeded. This will not operate to limit or restrict the Company. © Interconnect Solutions Limited 2020.

# 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 ±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				
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	≥ <b>2M</b> Ω				
Noise	<65dB/m				
Ambient Temperature	0°C-45°C (No condensation)				
Humidity	20%-90%				
Size WxDxH (mm)	430×780×1170 520×850×1220				
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	

This datasheet and its contents (the "information") belong to Interconnect Solutions Limited (the "company") or are licensed to it. No licience is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence pf any intellectual property rights is granted. The information is subject to change without notice and replaces all data previously supplied. The information supplied is believed to be accurate but the Company assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this datasheet should check for themselves the information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the information or use of it (including liability resulting from negligence or where the Company was aware of the possibility of such loss or damage arising) is exceeded. This will not operate to limit or restrict the Company. © Interconnect Solutions Limited 2020.