

SERVO VOLTAGE STABILIZER 3/3 PHASE 200-3000 KVA

ORION 3000-SRV Series servo voltage regulators are designed to continuously stabilize the mains voltage by eliminating overvoltage, undervoltage, and phase imbalance conditions. Equipped with advanced electronic monitoring and protection circuits, the system ensures precise regulation under dynamic network conditions. In the event that input voltage exceeds the regulation limits, an electro-mechanical bypass and cut-off mechanism safely disconnects the output, protecting connected loads from potential electrical damage.

ORION 3000 Voltage regulators are heavy-duty, servo-driven systems controlled by a microcontroller, designed to precisely regulate mains voltage and ensure reliable power for critical loads.

GENERAL SPECIFICATIONS

- Three-phase input / three-phase output
- Effective mains voltage regulation
- Compatible with non-linear loads
- Wide operating voltage and power range
- Fast and accurate regulation response
- High reliability with microprocessor control and smart drive technology
- High efficiency operation
- Manual bypass via pole-change switch for load transfer
- Safe and cost-effective operation
- Optional overcurrent and overload protection
- Digital display of system status, input, and output values
- 1-year standard warranty
- Spare parts availability up to 10 years



APPLICATIONS



INDUSTRY



TRANSPORTATION



MEDICAL



DATACENTER



EMERGENCY

3:3 PHASE SERVO

SERVO VOLTAGE STABILIZER 3/3 PHASE 200-3000 KVA

MODEL	ORION 3200-SRV	ORION 3250-SRV	ORION 3300-SRV	ORION 3400-SRV	ORION 3500-SRV	ORION 3600-SRV	ORION 3800-SRV	ORION 31000-SRV	ORION 31250-SRV	ORION 31500-SRV	ORION 32000-SRV	ORION 32500-SRV	ORION 33000-SRV	
General														
Nominal Power (kVA)	200	250	300	400	500	600	800	1000	1250	1500	2000	2500	3000	
Technology	Servo type, microprocessor controlled, full automatic													
Cooling	Smart fan system													
Voltage Monitoring	TRUE RMS Panel Voltmeter (74 × 74 mm) (Output & Line Voltages)													
Efficiency	> 97 @ Full Load													
Mechanical Bypass	Manual line selection via PAKO switch (Regulator / Bypass)													
Input														
Input Voltage Correction Range	285 - 440 Vac (190 - 415 Vac Optional)													
Input Frequency	47-65 Hz													
Protection	High & Low Voltage , Over Current Protection													
Output														
Output Voltage	380/400/415 Vac													
Voltage Correction Rate	~ 90 V/s													
Overload	200% 10s													
Voltage Recovery Time	~ 90 Volt / Sec (160 VAC - 250 Vac)													
Protection	Automatically disconnects the output to protect the load under overload or short-circuit conditions.													
Environmental														
Operating Temperature	-10°C - 50°C													
Storage Temperature	-25°C+ 60°C													
Relative Humidity	< 90% (DIN 40040)													
Noise (@ 1 Meter)	<55 dBA													
Altitude	< 2000m													
Protection Class	IP 20 (Higher Ratings are Optional)													
Physical														
Dimensions H x W x D (mm)	190 x 120 x 180			175 x 180 x 122			200 x 210 x 120	185 x 210 x 200			195 x 245 x 250			
Net Weight (Kg)	1050	1100	1200	1650	2000	2100	2900	3450	3900	4400	4900	5300	5700	
Compliance														
Standards	CE / ISO 9001													