

SERVO VOLTAGE STABILIZER 1/1 PHASE 3.5-50 KVA

ORION 1000-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 1000-SRV 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

- 1-phase input / 1-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



1:1 PHASE SERVO

APPLICATIONS



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MODEL	ORION 10035-SRV	ORION 1015-SRV	ORION 10075-SRV	ORION 1010-SRV	ORION 1015-SRV	ORION 1020-SRV	ORION 1025-SRV	ORION 1030-SRV	ORION 1040-SRV	ORION 1050-SRV	
General											
Nominal Power (kVA)	3,5	5	7,5	10	15	20	25	30	40	50	
Technology	Servo type, microprocessor controlled, full automatic										
Cooling	Smart fan system										
Voltage Monitoring	TRUE RMS Panel Voltmeter (74 x 74 mm) (Output & Line Voltages)										
Efficiency	> 96 @ Full Load										
Mechanical Bypass	Manual line selection via PAKO switch (Regulator / Bypass)										
Input											
Input Voltage Correction Range	165 - 225 Vac (130 - 240 Vac Optional)										
Input Frequency	47-65 Hz										
Protection	High & Low Voltage , Over Current Protection										
Output											
Output Voltage	220/230/240 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	-20°C+ 60°C										
Relative Humidity	< 90% (DIN 40040)										
Noise (@ 1 Meter)	<50 dBA										
Altitude	< 2000m										
Protection Class	IP 20 (Higher Ratings are Optional)										
Physical											
Dimensions H x W x D (mm)	30 x 55 x 37				32 x 60 x 40		85 x 50 x 50			85 x 50 x 60	
Net Weight (Kg)	29	30	34	47	55	95	110	130	155	180	
Compliance											
Standards	CE / ISO 9001										