



# T-SRV SERIES

THREE-PHASE SERVO VOLTAGE REGULATOR

10-5000kVA

3 PHASE / 50-60Hz / 380V/400V/415V



## GENERAL SPECIFICATIONS

- Automatic Servo Voltage Regulator
- High reliability with digital microprocessor control
- Wide power range options for single-phase systems
- Advanced motor control topology
- Wide input voltage operating range
- $\pm 1\%$  adjustable output voltage tolerance
- True RMS measurement and feedback control
- Best-in-class correction speed of 100/150 V/sec
- 500 ms recovery time (160–225 Vac)
- Short circuit, over/under voltage and overload protections
- Manual bypass switch
- Adjustable output voltage via front panel
- LCD / LED display interface
- Programmable via digital control panel
- Audible and visual alarm system
- High efficiency up to 98%
- Continuous automatic system monitoring
- Intelligent fan control
- Advanced fault detection with alarm/event memory

- Eco-friendly design
- Energy saving through high efficiency operation
- Compact size and low-noise operation
- Easy maintenance and commissioning
- Low installation and operating costs
- 10-year spare parts availability guarantee
- 24/7 technical service and customer support

### OPTIONAL FEATURES

- Advanced RS485 remote monitoring
- LCD display screen
- Contactor protection
- Galvanic isolation transformer
- Custom input/output design options

### STANDARDS

- EN 60335
- CE, ISO 9001:2008



# TECHNICAL SPECIFICATIONS

Power (kVA)	10	15	22,5	30	45	60	75	100	120	150	200	250
	300	400	500	600	800	1000	1250	1600	2000	2500	3000	5000
<b>INPUT</b>												
Input voltage correction range	275/440 VAC (3 Phase) 160/250 VAC (1 Phase) (Optional: 220/400 VAC)											
Input voltage operating range	230/470 VAC (3 Phase), 130/270 VAC (1 Phase)											
System input protection	Overcurrent thermal fuse protection, Voltage protection, Optional MCB protection											
<b>OUTPUT</b>												
Output voltage	380 VAC RMS $\pm 1\%$ (3 Phase); 220 VAC RMS $\pm 1\%$ (1 Phase) (Opsyonel: 400 /415 VAC )											
Output voltage tolerance	Adjustable from the front panel within 1%–5% range											
Operating frequency	50/60Hz											
Overload	200% in 10 seconds											
Correction speed	100 V/sec											
Recovery time	500 ms (160–250 VAC)											
Efficiency	98%											
System topology	Microprocessor-controlled, fully automatic servo control											
Digital display	True RMS digital multimeter, microprocessor-controlled											
Monitored measurement values	Separate three-phase input and output voltage readings											
Output tolerance	Numeric capability for pre-setting menu parameters											
Output delay time setting (optional)	Numeric capability for pre-setting menu parameters											
Mechanical transfer (bypass)	Manual bypass switch (Optional)											
Operating temperature	0°C–45°C											
Protection class (IP rating)	IP20 / IP25											
Regulation	Independent per phase (for three-phase systems)											
Relative humidity	90%											
Operating altitude	2000 meter											
Noise level	< 50 dBA											
Certifications / documentation	CE - ISO 9001 - OHSAS 18001 - ISO 14001 - TÜRKAK											
Input connection type	Wired – Screw terminal blocks											
Output connection type	Wired – Screw terminal blocks											

T-SRV Series Single-Phase Servo Voltage Regulator is an AC voltage regulation and protection device designed to provide safe and stable voltage for industrial facilities and residential users experiencing continuous low or high voltage issues. It regulates fluctuating mains voltage to the desired output level and maintains it at a constant value. Due to its electromechanical structure, it operates with a slower response time. Manufactured with traditional technology, it offers the most economical solution for voltage correction applications.