

tuncmatik

Industrial SVR

3-50 kVA (1 Ph)

10-2000 kVA (3 Ph)

STATIC VOLTAGE REGULATOR



GENERAL SPECIFICATIONS

- Single phase, 3-50 kVA.
- Three phase, 10-2000 kVA.
- DSP with intelligent control and high reliability.
- Normal and wide bandwidth.
- Static (thyristor) switching due to the quick response and regulation time (500 V/s).
- Up to 25 levels of voltage regulation.
- Network/Regulator selection switch.
- Static and manual bypass.
- High efficiency.
- Advanced 2x16 or 4x20 LCD Panel providing detailed information on Input/Output voltage, battery voltage and charging current.
- Electronic and electromechanical protections thermal-magnetic protection and extinguishing input voltage (which suppresses sudden voltage pulse).
- The possibility to calibrate the measurements from the front panel.
- Output safety contactors.
- LED indicators can easily monitor the status of the regulator Audible alarm.
- Ability to program all study variables (password protected)
- Programable alarm relay output (up to 16)
- 200 record event history.
- Interior cabinet light, cabinet heater, dust filter, etc.
- Halogen free cable.
- 20 years of design life.

OPTIONS

- Power Analyzer (Input or Output) Single (VA, W, PF, V, A etc.)
- Analog Gauges V & A meter
- TFT Touch Panel Display
- Mimic Panel
- Automatic self-test mode
- Up to 200 dates and times for event recording
- Permanent 1 general alarm for relay contact output
- Making the network performance analysis
- AC Earth Fault
- Input/Output voltage, Current transducers (4-20mA and 0-10V simultaneously).
- Alarm and Comm. Interface (MODBUS RS232 +4 Relay)
- Alarm and Comm. Interface (MODBUS RS485 +4 Relay)
- Alarm and Comm. Interface (MODBUS TCP IP+4 Relay)
- Alarm and Comm. Interface (Extra+4 Relay) (Max 12)
- Input/Output voltage, Current transducers (4-20mA and 0-10V simultaneously)
- Coating on Boards
- Lifting Lugs
- Dust Filter
- Phase Protection
- RFI Harmonic Filter in the Input to protect input surge drops, high frequency, harmonics and noise
- Input and Output isolation transformer
- Interior cabinet light, cabinet heater, dust filter, etc.
- GSM Communication
- SNMP Card
- Up to IP54
- Overseas Packing

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MODEL	1 Phase	3 Phase
Capacity	3-50 kVA	10-2000 kVA
INPUT		
Input Voltage	220/230/240 VAC	3x380/3x400/3x415 VAC
Input Voltage Tolerance	176-276 VAC (OPT: 154-276 VAC)	3x300-3x475 VAC (OPT: 265-475 VAC)
Tfrequency	50/60 Hz ±5%	
OUTPUT		
Output Voltage	220 / 230 / 240 VAC	380(220) / 400(230) / 415(240) VAC
Frequency	50/60 Hz ±5%	
Output Voltage Tolerance	±3% (±2% optional)	
Regulation Speed	~ 500 V/s	
Overload	At 115% load 10mins, At 125% load 1min, At 150% load 10sec, At >150% load output off	
Power Factor	0.8	
Efficiency	92%	94%
SYSTEM FEATURES		
Measurements	Input power, Input/Output voltage, Output load, Input/Output frequency	
Alarms	Overload, Over temperature, Input fault, Output fault, Over current, Short circuit, Memory error, DSP error	
Software	Management software	
Communication	RS232, Dry Contact x4 (OPT: x16)	
LED Indicators	Operation of Alarms	
Maintenance	Maintaneenance Bypass line (15 kVA and above)	
Cooling System	Fan forced (Dual redundant), (OPT: Natural Cooling)	
Cable Entry	Bottom (OPT: Top, Rear, Side)	
Cabinet Color	RAL7035, RAL7032 (OPT: Others)	
Protection Class	IP20	
ENVIRONMENTAL		
Operation Temperature	-10 - 50°C	
Storadge Temperature	-20 - 70°C	
Relative Humidity	0-95% (non-condensing)	
Altitude**	1000m (Max.4000m)	
Noise Level	50 to 73 dBA (depending on rating)	

*Product properties may change without a notice.

**Reduce power by 1% every 100m after 1000m.