

AC/DC[®] REGULATOR

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Static Electronic Voltage Regulators / Stabilizers

Three Phase
6 - 2000 kVA

Mono Phase
3 - 40 kVA



- Wide Input Voltage Range
- Microprocessing Controlled
- 5000 V / sec. Regulation Speed
- Overload and Short Circuit Protection
- 220 VAC / 380 VAC \pm % 3 Regulation
- Excellent Dynamic and Static Regulation
- Full Static, Semiconductor Technology
- LCD Panel For Load Level, Output and Input Voltage
- No Maintenance and Adjustment Requirement Since No Moving Parts

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2008

Your Positive Energy Source...

AC/DC[®] REGULATOR

15 - 100 kVA STATIC ELECTRONIC VOLTAGE REGULATOR TECHNICAL SPECIFICATIONS

| MODEL | SVR3P-15 | SVR3P-22 | SVR3P-30 | SVR3P-45 | SVR3P-60 | SVR3P-75 | SVR3P-100 |
|------------------------------------|---|----------|----------|----------|------------------|----------|-----------|
| Power (kVA) | 15 | 22,5 | 30 | 45 | 60 | 75 | 100 |
| INPUT | | | | | | | |
| Input Voltage | 380 VAC, 3 Phase + Notr | | | | | | |
| Input Voltage Regulation Range | 285 VAC - 430 VAC (L - L) | | | | | | |
| Input Voltage Operation Range | 235 VAC - 485 VAC (L - L) | | | | | | |
| Operation Frequency | 50 Hz; \pm %5 | | | | | | |
| Line Input Protection | Over Current thermal fuse and transient over voltage protection | | | | | | |
| Max. Input Current | 30,3 A | 45,5 A | 60,6 A | 91 A | 121 A | 152 A | 202 A |
| OUTPUT | | | | | | | |
| Output Voltage | 380 VAC, 3 Phase + Notr | | | | | | |
| Output Voltage Tolerance | 380 VAC, \pm %3 | | | | | | |
| Output Frequency | 50 Hz; \pm %5 | | | | | | |
| Regulation (Control) Speed | ~ 5000 V / sec | | | | | | |
| Responce Time | ~ 20 msec. | | | | | | |
| Output Wave form | Sinusoidal | | | | | | |
| Output Current | 22,5 A | 34 A | 45 A | 68 A | 91 A | 113 A | 151 A |
| DISPLAY & CONTROL PANEL | | | | | | | |
| Display Type | 2 X 16 character alphanumeric LCD Screen | | | | | | |
| Buttons | Menu selection and adjustment button with microprocessor | | | | | | |
| Warning Messages | Input Low / Input High, Output Low / Output High, Over Temperature | | | | | | |
| LED | Input : Green - Output : Green - System Normal : Green - Fault : Red | | | | | | |
| Display Language | English | | | | | | |
| Monitoring Measured Values | U, V, W Output Voltages - R, S, T Line Voltages and load percentages | | | | | | |
| Output Max / Min Protection Limit | Adjustable from LCD front panel | | | | | | |
| PROTECTIONS | | | | | | | |
| Output Voltage | Low : 180 VAC, High : 240 VAC (Adjustable from Control Panel) | | | | | | |
| Over Load | 10 min. at 125 % , 1 min. at 150 % , 1 sec. at 200 % , 10 msec. at 1000 % | | | | | | |
| Over Temperature | SCR Temperature > 80 °C | | | | | | |
| By-Pass | Manuel By-Pass (Standart), Automatic By-Pass (Optional) | | | | | | |
| General Protections | Short Circuit, Over Load, Over Temperature, Over Voltage, Under Voltage, Peak, Surge, Sag, Spike, Thyristor Failure | | | | | | |
| GENERAL | | | | | | | |
| Efficiency | > %97 | | | | | | |
| Operating Technology | Microprocessing controlled, SCR (Thyristor) Tap Changer, Zero Current Switching, Full Regulation at one Cycle, Static (semiconductor) structure, Isolation Booster Transformer, No Moving Parts | | | | | | |
| Protection Level | IP 20 (Standart) - IP 23 & IP 54 (Optional) | | | | | | |
| Cooling | Cooling Forced | | | | | | |
| Run Duration | Uninterrupted | | | | | | |
| Standarts | EN 50091-1 (Safety) / EN 50091-2 EMC | | | | | | |
| Dimensions (mm) | 300 x 580 x 720 | | | | 400 x 1000 x 850 | | |
| ENVIROMENTAL | | | | | | | |
| Operating Temperature Range | - 10 °C / 50 °C | | | | | | |
| Storage Temperature Range | - 20 °C / 70 °C | | | | | | |
| Relative Humidity | < % 90 (Non - Condensing) | | | | | | |
| Accoustic Level | < 50 dB (at 1 Meter) | | | | | | |
| Operating Heigth | < 2000 Meter | | | | | | |



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