

AC/DC[®] REGULATOR

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Static Electronic Voltage Regulator



Three Phase
800 - 3000 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

800 - 3000 kVA STATIC ELECTRONIC VOLTAGE REGULATOR TECHNICAL SPECIFICATIONS

MODEL	SVR3P-800	SVR3P-1000	SVR3P-1250	SVR3P-1600	SVR3P-2000	SVR3P-2500	SVR3P-3000
Power (kVA)	800	1000	1250	1600	2000	2500	3000
INPUT							
Input Voltage	380 VAC, 3 Phase + Notr + Ground (Optional 400 VAC, 415 VAC)						
Input Voltage Regulation Range	300 VAC - 450 VAC (L - L)						
Input Voltage Operation Range	250 VAC - 490 VAC (L - L)						
Operation Frequency	60 Hz; \pm %5						
Line Input Protection	Over Current thermal fuse and transient over voltage protection						
Max. Input Current	1523 A	1905 A	2380 A	3046 A	3809 A	4760 A	5714 A
OUTPUT							
Output Voltage	380 VAC, 3 Phase + Notr + Ground (Optional 400 VAC, 415 VAC)						
Output Voltage Tolerance	380 VAC, \pm %3						
Output Frequency	60 Hz; \pm %5						
Regulation (Control) Speed	~ 5000 V / sec						
Responce Time	~ 20 msec.						
Output Wave form	Sinusoidal						
Output Current	1212 A	1515 A	1894 A	2424 A	3030 A	3787 A	4545 A
DISPLAY & CONTROL PANEL							
Display Type	4 x 20 character alphanumeric LCD Screen						
Buttons	Menu selection and adjustment button with microprocessor						
Warning Messages	Input Low / Input High, Output Low / Output High, Over Load, Over Temperature						
LED	(Input : Green - Output : Green - System Normal : Green - Fault : Red, Other) (Optional)						
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 (Standard), 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	Micro processing 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 (Standard) - IP 23 & IP 54 (Optional)						
Cooling	Cooling Forced						
Run Duration	Uninterrupted						
Standards	EN 50091-1 (Safety) / EN 50091-2 EMC						
Dimensions	1900 x 900 x 1850	3000 x 1100 x 2100			3300 x 1200 x 2200		
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						

*** AC/DC reserves the right to make any changes to data without prior notice.

Update: 17/06/2014



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