

# AC/DC<sup>®</sup> REGULATOR

[www.acdc.com.tr](http://www.acdc.com.tr)



## Static Electronic Voltage Regulator

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<sup>®</sup> REGULATOR

## 500 - 2000 kVA STATIC ELECTRONIC VOLTAGE REGULATOR TECHNICAL SPECIFICATIONS

MODEL	SVR3P-500	SVR3P-600	SVR3P-800	SVR3P-1000	SVR3P-1250	SVR3P-1500	SVR3P-2000
Power ( kVA )	500	600	800	1000	1250	1500	2000
<b>INPUT</b>							
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	1010 A	1212 A	1616 A	2020 A	2525 A	3030 A	4040 A
<b>OUTPUT</b>							
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	757 A	910 A	1.212 A	1.515 A	1.894 A	2.273 A	3.030 A
<b>DISPLAY &amp; CONTROL PANEL</b>							
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						
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						
<b>PROTECTIONS</b>							
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						
<b>GENERAL</b>							
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	1350 x 800 x 1600		2400 x 900 x 1800			2800 x 1000 x 2100	
<b>ENVIROMENTAL</b>							
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						



ACDC Electronic Systems Inc.

Perpa Trade Center A Block Floor: 5  
No: 146 Okmeydanı 34384, İstanbul

Tel: +90 212 320 20 07 Pbx  
[www.acdc.com.tr](http://www.acdc.com.tr)

Fax: +90 212 320 20 09  
[info@acdc.com.tr](mailto:info@acdc.com.tr)