

# AC/DC<sup>®</sup> REGULATOR

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



## Static Electronic Voltage Regulator

Single Phase  
5 - 50 kVA



- Wide Input Voltage Range
- Microprocessing Controlled
- 5000 V / sec. Regulation Speed
- Overload and Short Circuit Protection
- 220 VAC;  $\pm$  % 3 Regulation
- Excellent Dynamic and Static Regulation
- Full Static, Semiconductor Technology
- LCD Panel, 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

## 5 - 50 kVA STATIC ELECTRONIC VOLTAGE REGULATOR TECHNICAL SPECIFICATIONS

MODEL	SVR1P-5	SVR1P-7	SVR1P-10	SVR1P-15	SVR1P-20	SVR1P-30	SVR1P-50
Power ( kVA )	5 kVA	7.5 kVA	10 kVA	15 kVA	20 kVA	30 kVA	50 kVA
<b>INPUT</b>							
Input Voltage	220 VAC, 1 Phase + Notr ( Optional 230 or 240 VAC )						
Input Voltage Regulation Range	165 VAC - 250 VAC						
Input Voltage Operation Range	135 VAC - 280 VAC						
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	181 A	303 A
<b>OUTPUT</b>							
Output Voltage	220 VAC, 1 Phase + Notr ( Optional 230 or 240 VAC )						
Output Voltage Tolerance	220 VAC, $\pm$ %3						
Output Frequency	50 Hz; $\pm$ %5						
Regulation ( Control ) Speed	~ 5000 V / sec						
Response Time	~ 20 msec.						
Output Wave form	Sinusoidal						
Output Current	22,7 A	34 A	45 A	68 A	91 A	136 A	227 A
<b>DISPLAY &amp; CONTROL PANEL</b>							
Display Type	2 X 16 character alphanumeric LCD Screen						
Buttons	Menu selection and adjustment button with microprocessor						
Warning Messages	Output Low / Output High, Over Temperature						
LED	Input : Green - Output : Green - System Normal : Green - Fault : Red						
Display Language	Turkish / English						
Monitoring Measured Values	Output Voltages, Line Voltages						
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 Temperature	SCR Temperature > 80 °C						
By-Pass	Manuel By-Pass ( Standart ), Automatic By-Pass ( Optional )						
General Protections	Short Circuit, 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, 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 ( cm )	25 x 30 x 45	25 x 45 x 55	50 x 55 x 70	60 x 65 x 100			
<b>ENVIROMENTAL</b>							
Operating Temperature Range	- 10 °C / 50 °C						
Storage Temperature Range	- 20 °C / 70 °C						
Relative Humidity	< % 90 ( Non - Condensing )						
Accoustic Level	< 45 dB ( at 1 Meter )						
Operating Heigth	< 2000 Meter						



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