

AC/DC[®] REGULATOR

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Static Electronic Voltage Regulator



ThreePhase
6 - 1000 kVA

MonoPhase
3 - 40 kVA

- Wide Input Voltage Range
- Microprocessing Controlled
- 5000 V / s Regulation Speed
- Overload and Short Circuit Protection
- 220 VAC / 380 VAC \pm % 3 Regulation
- Excellent Dynamic and Static Regulation
- Fully Static , Semi Conductor Technology
- LDC Panel For Load Level , Output and Input Voltage
- Programmable Minimum and Maximum Overvoltage protection
- No Maintenance and Adjustment Requirement Since No Moving Parts

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Static Electronic
Voltage Regulator

TECHNICAL SPECIFICATIONS

LINE INPUT	
Input Voltage Regulation Range	Three phase : 260-440 VAC ; Monophase : 165-255 VAC
Input Voltage Operation Range	Three phase : 155-490 VAC ; Monophase : 90-285 VAC
Operation Frequency	50 Hz \pm % 5
Line Input Protection	Over Current thermal fuse and transient over voltage protection
REGULATOR OUTPUT	
Output Voltage	Three Phase : 380 VAC RMS \pm % 2 ; MonoPhase : 220 VAC RMS \pm % 2
Over Loading	10 ms at % 200 load 20 ms at % 500 load
Regulation (Control) Speed	\sim 5000 V / s
Regulation Time	\sim 20 ms (165 VAC-255 VAC)
Output Protection	Short Circuit , Overcurrent protection , overload protection
OPERATION TECHNICS	
	Microprocessing controlled , full automatic , static (semi conductor) structure , no moving parts
CONTROL PANEL	
Display & Buttons	2 x 16 character LCD screen , menu scanning button , menu selecting button and adjustment button With microprocessor.
Warning Messages	Input Low / Input High ,Output low / Output High , Load > % 100 and overheat
Monitoring Measured Values	Output voltage , line voltage and load percentage
Output Maximum Protection Limit	Adjustable from LCD front Panel
Output Minumum Protection Limit	Adjustable from LCD front Panel
Regulation Voltage	Adjustable from LCD front Panel
GENERAL	
Total Efficiency	> % 97 (Full Load)
Mechanical By-Pass	manual " line-voltage regulator" selective Switch
Protection Level	IP20
ENVIRONMENTAL	
Operation Temperature	-10 ° C ~ 50° C
Relative Humidity	< % 90 , DIN (40040)
Operation Height	< 2000 meter
Acoustic Level	< 50 dB (at 1 meter)
Electrical Standarts	EN 50091-1 (Security) EN 50091-2 (EMC)



ACDC Elektronik Sistemler
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