

AC/DC[®] REGULATOR

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Microprocessing Controlled Voltage Regulator Three Phase Systems



250 - 800 kVA

- Wide Input Voltage Range
- True RMS Value Measurement
- Overload and Short Circuit Protection
- Excellent Dynamic and Static Regulation
- RISC Microprocessing Controlled System
- 380 V $\pm$ 1% Regulation, 200 V/sec Regulation Speed
- Load Level, Output and Input Voltage Display Panel
- Programmable Minimum and Maximum Overload Protection

AC/DC[®] VOLTAGE REGULATOR

250 - 800 kVA MICRO PROCESSING CONTROLLED VOLTAGE REGULATORS TECHNICAL SPECIFICATIONS

MODEL	MVR3P-250	MVR3P-300	MVR3P-400	MVR3P-500	MVR3P-600	MVR3P-800
POWER (kVA)	250 kVA	300 kVA	400 kVA	500 kVA	600 kVA	800 kVA
LINE INPUT						
Input Voltage	380 VAC, 3 Phase + Notr (Optional 400 VAC or 415 VAC)					
Input Voltage Ragulation Range	275 VAC - 430 VAC (L-L) (Optional 310 VAC - 450 VAC or 220 VAC - 400 VAC					
Input Voltage Operation Range	220 VAC - 475 VAC (L-L) (Optional 250 VAC - 490 VAC or 180 VAC - 440 VAC					
Operation Frequency	50 Hz ; ± 5%					
Line Input Protection	Optional Over Current Thermic Fuse and Transient Protection					
Transient Protection	IEEE 587 (4500 A, 110 J)					
REGULATOR OUTPUT						
Output Voltage	380 VAC, 3 Phase + Notr (Optional 400 VAC or 415 VAC) RMS					
Output Voltage Tolerance	± 2% (Selectable by LCD Panel between 1% - 5%)					
Over Load	10 sec, 500 % load					
Regulation (Control) Speed	200 Volt / sec					
Rectification Duration	500 ms (varies between 165 VAC - 265 VAC)					
Working Principle	RISC Microprocessing Controlled Full Automatical Servo Control					
Output Protection	Short Circuit, Over Current Protection, Load Protection					
CONTROL PANEL						
Display and Buttons	True RMS LCD Display, Menu Scanning Button, Selection Button					
Alert Messages	Line high / Low, Output failure and overload led alerts					
Monitoring Measured Values	3 different window, Output, Line voltage, Load percentage					
Output Tolerance Adjustment	Selectable by LCD Panel (1%, 2%, 3%, 4% or 5%)					
Output Delay Time Adjustment	8 sec. (Selectable by LCD Panel between 1 sec - 255 sec)					
Output Max. Limit Cut Adjustment	240 VAC (Selectable by LCD Panel between 230 VAC - 255 VAC)					
Output Min. Limit Cut Adjustment	190 VAC (Selectable by LCD Panel between 160 VAC - 210 VAC)					
GENERAL						
Total Efficiency	> 98% (full load)					
Mechanical By-Pass	Manually Controlled "Line - Voltage Regulator" Selective PAKOS Switch					
Electrical Parasite Repression	FCC Part 15 Class B					
Protection Level / Color	IP20 / RAL 7035 (Optional Other Protection Level and Color)					
ENVIRONMENTAL						
Operation Temperature	0 - 40 °C					
Relative Humidity	< 90 , DIN (40040)					
Acoustic Level	< 50 dB (1 m)					
Working Altitude	2000 m max					
Electrical Standarts	EN 50091-1 (Security) / EN 50091-2 (EMC)					

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

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