

# AC/DC<sup>®</sup> REGULATOR

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



## Microprocessing Controlled Voltage Regulator Three Phase Systems



1000 - 2500 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

**TÜV**  
AUSTRIA  
HELLAS  
EN ISO 9001:2008

## Your Positive Energy Source...

# AC/DC<sup>®</sup> VOLTAGE REGULATOR

1000 - 2500 kVA MICRO PROCESSING CONTROLLED VOLTAGE REGULATORS TECHNICAL SPECIFICATIONS

MODEL	MVR3P-1000	MVR3P-1200	MVR3P-1600	MVR3P-1750	MVR3P-2000	MVR3P-2500
POWER ( kVA )	1000 kVA	1200 kVA	1600 kVA	1750 kVA	2000 kVA	2500 kVA
<b>LINE INPUT</b>						
Input Voltage	380 VAC, 3 Phase + Notr ( Optional 400 VAC or 415 VAC )					
Input Voltage Regulation 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 ; $\pm$ 5%					
Line Input Protection	Optional Over Current Thermic Fuse and Transient Protection					
Transient Protection	IEEE 587 ( 4500 A, 110 J )					
<b>REGULATOR OUTPUT</b>						
Output Voltage	380 VAC, 3 Phase + Notr ( Optional 400 VAC or 415 VAC ) RMS					
Output Voltage Tolerance	$\pm$ 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					
<b>CONTROL PANEL</b>						
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 )					
<b>GENERAL</b>						
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 )					
<b>ENVIRONMENTAL</b>						
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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