

# AC/DC<sup>®</sup> REGULATOR

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## Microprocessing Controlled Voltage Regulator

### MonoPhase:

2 - 30 kVA

### ThreePhase:

6 - 1000 kVA



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

### TECHNICAL SPECIFICATIONS

LINE INPUT	
Input Voltage Operation Range	ThreePhase:285-440 VAC : Monophase: 160-250 VAC
Input Voltage Operation Range	ThreePhase:210-475 VAC : Monophase: 120-260 VAC
Operation Frequency	50 Hz $\pm$ 5%
Line Input Protection	Over Current Thermic Fuse and Transient Protection
Transient Protection	IEEE 587 ( 4500 A , 110 J )
REGULATOR OUTPUT	
Output Voltage	ThreePhase:380 VAC RMS $\pm$ 1% ; Monophase :220 VAC RMS $\pm$ 1%
Overburden	10 s , 500 % load
Regulation ( Control ) Speed	200 Volt / s
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 numerical voltmeter,microprocessing button search, voice alert reset 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 DIP Switch ( % 1.5 ; % 2.5 , % 3.5 and % 5 )
Output delay time adjustment	Selectable by DIP Switch ( 1 s , 2.5 s , 5 s and 10 s )
Output max. Limit cut adjustment	Selectable by DIP Switch ( 240 VAC , 245 VAC , 255VAC and 265 VAC )
Output min. Limit cut adjustment	Selectable by DIP Switch ( 170 VAC , 180 VAC , 190VAC and 200 VAC )
GENERAL	
Total efficiency	> 98 % ( Full Load )
Mechanical By-Pass	Manually controlled "Line - Voltage Regulator" selective PAKO Switch
Electrical Parasite Repression	FCC Part 15 Class B
Protection Level / Color	IP20 / RAL7035
ENVIRONMENTAL	
Operation Temperature	-0 C / 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 )

