



5 - 50 kVA

AVR11 SERIES

FULL AUTOMATIC VOLTAGE REGULATOR

GENERAL SPECIFICATIONS

- Non-linear charges drive
- 1 phase input 1 phase output
- Wide power and voltage interval
- High reliability thanks to Microprocessor and Smart Driver
- Fast Regulation
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Low and overvoltage protections
- Overload protection(optional)
- Digitally displayed status, input & output measurements





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TECHNICAL SPECIFICATIONS

MODEL	AVR 1105	AVR 1107	AVR 1110	AVR 1115	AVR 1120	AVR 1125	AVR 1130	AVR 1140	AVR 1150
Power kVA	5	7,5	10	15	20	25	30	40	50
REGULATOR INPUT									
In.Vol.Correct.Interval	165 - 255 / 110 - 240 VAC (Optional)								
In.Vol.Operating.Interval	90 - 285 VAC								
Operation Frequency	47...65 Hz								
Line Input Protection	Overcurrent, Low and High voltage protection								
Current at input	24	36	48	72	96	120	144	192	240
REGULATOR OUTPUT									
Output Voltage	220 / 230 / 240 VAC RMS \pm 1 %								
Overloading	10 Sec. 200 % Load								
Correction Speed	~ 90 Volt / Sec.								
Upturn Period	~ 90 Volt / Sec. (160 VAC - 260 VAC)								
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs								
Current at output	18	27	36	54	72	90	108	144	180
GENERAL									
Working Principle	Servo Motor, Microprocessor Controlled, Full Automatic								
Cooling	Smart Fan System								
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74mm) output voltage and line voltage monitorization								
Total Efficiency	> 96 %								
Mechanical By-pass	"Manually Controlled Line - PAKO Switch Selects Voltage Regulator" Switch Turn On / Off								
Protection Level	IP 20 // IP 54 (Optional)								
ENVIRONMENTAL									
Working Temperature	-10 °C / 50 °C								
Storage Temperature	-25 °C / + 60 °C								
Relative Humidity	< 90 %, DIN (40040)								
Working Altitude	< 2000 m.								
Acoustic Level	< 50 dB								
Standards	CE / ISO 9001								
DIMENSIONS									
HxWxD (cm)	30x45x37			34x59x42		85x50x52		85x50x62	
Weight (kg)	30	34	47	55	95	110	130	155	180



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