



1:1
PHASE

3:3
PHASE

OUTDOOR AVR SERIES

**Single and Three
Phase Input**

**Single and Three
Phase Output**

5 - 60 kVA



OUTDOOR



MEDICAL



INDUSTRY



EMERGENCY

OUTDOOR AVR SERIES

Outdoor series provides constant, reliable backup power for Outside Plant, Access Control, Security, Public Utility and Telecommunications applications in a compact all-in-one enclosure

Voltage regulators are servo drive structure, microcontroller controlled heavy duty devices which regulates mains voltage for critical loads. OUTDOOR AVR series are three phase voltage stabilizers regulate mains voltage and bring many advantages.

- Digital Display
- Servo Motor Controlled Technology
- Fast Response for Fluctuations
- Reliable Stabilization for Secure Energy
- High efficiency in each model
- Short circuit protection
- Load transfer to Bypass via pole charge switch
- Wide input voltage range version (optional)
- Electro-mechanic (breaker module)
- High-low voltage protection (optional)
- Higher IP applications are available

OUTDOOR AVR SERIES

MODEL	AVR115	AVR117	AVR1110	AVR3310	AVR3315	AVR3322	AVR3330	AVR3345	SRV3360
Power (kVA)	5	7,5	10	10,5	15	22	30	45	60
Input									
Input Voltage Correct Internal	165 - 255 VAC / 130 - 240 Vac (Optional)			285 - 440 VAC (Optional: 190-415 Vac)					
Operation Frequency	47 / 65 Hz								
Line Input Protection	Overcurrent, Low and High voltage protection								
Output									
Output Voltage	220 / 230 / 240 VAC RMS ±1%			380 / 400 / 415 VAC RMS ±1%					
Overloading	10 Sec. 200 % Load								
Correction Speed	~ 90 Volt / Sec.								
Upturn Period	~ 90 Volt / Sec. (160 VAC - 250 Vac)								
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs								
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% (Full Load)								
Mechanical Bypass	"Manually Controlled Line - PAKO Switch Selects Voltage Regulator" Switch Turn On/Off								
Protection Level	IP 60 (Higher IP Ratings are optional)								
Environmental									
Working Temperature	-10 °C / 50 °C								
Storage Temperature	-25 °C / 60 °C								
Relative Humidity	<90%, DIN (40040)								
Working Altitude	<2000 m								
Noise Level (1 meter)	<55 dB								
Standards	CE / ISO 9001								
Dimensions									
H x W x D (cm)	71 x 71 x 100,5								

The company reserves the right to change specifications and designs without notice.



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