

Servo Voltage Regulator

ARTreg Series 3-150kVA



Specifications

- Protection of the user from negative voltages.
- Protection of the user and the device from excessive current.
- Undisturbed pure sinus voltage regulation.
- Long-term overload protection and short-term protection.
- AC voltage balancing with extremely high accuracy.
- Run smoothly on all loads from 0% to 100%.
- Manual transfer to bypass regime without regulating.
- Display all values against the probabilities in the bypass regime.
- Record mains input voltage limits and load current values.
- Static, not gradual, dynamically correct output voltage too quickly without user notice.
- When protections are activated, record the number of protection trips and the reason for each parameter separately.
- Generation as standard is $\pm 0.4\%$ [379.87V - 382.6V] stable when the input voltage is within the range of 112.6V 537V.

General Application Areas:



Finance



Medical



Industry



IT



Energy



Construction





ARTreg series 3~150 kVA Technical Specifications

	ARTreg 3 kVA	ARTreg 6 kVA	ARTreg 10.5 kVA	ARTreg 15 kVA	ARTreg 22.5 kVA	ARTreg 30 kVA	ARTreg 45 kVA	ARTreg 60 kVA	ARTreg 75 kVA	ARTreg 100 kVA	ARTreg 120 kVA	ARTreg 150 kVA
Power kVA	3	6	10.5	15	22.5	30	45	60	75	100	120	150
Power kWA	2.4	4.8	8.4	12	18	24	36	48	60	80	96	120
INPUT												
Input Voltage Correction Range	190-415 / 275-450 / 310/485 VAC											
Input Voltage Operating Range	>155V...490V<											
Operating Frequency	>47 Hz.....64 Hz <											
Input Protection	Overcurrent. Low and High Voltage Protection (Optional)											
OUTPUT												
Output voltage	>380V...415V< +/- %0,4											
Over load	10 SECOND % 200 load											
Correction Speed / Recovery Speed	- 90 Volt / S (150-250VAC the range)											
Output waveform	Pure Sine											
Output protection	Overcurrent. Low and High Voltage Protection (Optional)											
Output protection at low voltage	337V on - 303V off											
Output protection at high voltage	424V on ... 433V off											
OPERATING PRINCIPLES												
	Servo Motor - Microprocessor - Dynamic Servo											
GENERAL												
Cooling	Natural Air /fan (Optional)											
Measurement and Display	Input and Output Voltage Led Display / Input, Output Voltage and Ampere Led Display MULTIMETER											
Continuous operating time at full load	0..105%.											
Continuous load <105%	< 7 /24											
Efficiency under load.	>98%											
Mechanical By-pass	Manual control network / 1-0-2 Pako Switch / Remote Switch / Lock key On / Off											
Protection Class	IP20 and Other Options											
ENVIRONMENTAL												
Operating ambient temperature	O> -40 °C <+ 55°C											
Storage temperature	O> -25 °C <+ 60°C											
Ambient temperature +25 ° C Relative Humidity.	< 96 %											
Operating height	<3000 m (3km)											
Protection Class	IP 21											
Acoustic Level	< 50 dB (1m)											
Instruments												
DIMENSIONS												
WxDxH (cm)	70 X 40 X 35		40 X65X 103				40X75X124	105 X 65 X 140				
Weight (kg)	54	85	105	126	154	175	228	351	386,40	419,40	521,60	580

ARTronic®

The art of electronics

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