

I AVR Series

Automatic voltage regulator (wide type)

Features:

- High efficiency
- Electro-mechanic high-low voltage protection
- Ability to work with non-linear loads
- Wide input voltage range
- LCD display including output current (load)



I AVR is used safely with any computer system, fax and photocopy machines, industrial, medical, laboratory, office appliances and household.

I AVR protects your load from all fluctuations at the main voltage and does the voltage regulation. It cuts the voltage outputs electro-mechanically when an increase or decrease occurs out of limits and prevents all the possible problems by electronic protection.

The booster transformers and sensitive variac do the voltage regulation. Servo system is based on the control of DC motor by thyristor.

Output voltage is observed by LCD display, over current protection is ensured by magnetic switch and inside cooling is assured by fan. In single phase models special inside structure and natural cooling is applied. Phase protection cuts the low or high input voltage and if there is no phase cuts the output voltage by contactor. In order to avoid the possible problems that can be caused by sudden voltage fluctuations, I AVR includes a time relay, which can take the control in 2 seconds, it has a by pass switch and on/off property.

The voltage range may be altered upon request.

Specifications

Model	Power	Dimensions	Weight	Response	Input		Output				
Single Phase	kVa	W x D x H cm	Kg	V/Sec	Voltage (V)	Max current	Voltage (V) L-N	Frequency	THD	Efficiency (%)	Max current
I AVR 5-11	5	50.5X39X28.5	37	80	135-245	27A	220/230/240 ±%2	Same as input	w/o distortion no effect on harmonics	>96	19.4A
I AVR 7.5-11	7	50.5X39X28.5	46			39A				>96	29A
I AVR 10-11	10	53.5X44.5X35	61			53A				>96	39A
I AVR 15-11	15	36.5X62X64	85			79A				>96	58A
I AVR 20-11	20	49.5X73X77.5	136			106A				>96	74A
I AVR 30-11	30	49.5X73X77.5	138			159A				>96	111A
Three phase	kVa	W x D x H cm	Kg	V/Sec	Line- Line	Max current	Voltage (V) L-L	Frequency	THD	Efficiency (%)	Max current
I AVR 6-33	6	39.5X53.5X88	78	80	233-424	3X10,5A	380/400/415 ±%2	Same as input	w/o distortion no effect on harmonics	>95	3X7.2A
I AVR 10.5-33	10.5	39.5X53.5X88	90			3X19A				>96	3X12,7A
I AVR 15-33	15	39.5X58X91.5	130			3X27A				>96	3X19,4A
I AVR 22.5-33	22.5	38.5X58X91.5	144			3X39A				>96	3X29A
I AVR 30-33	30	44.5X68.5X102.5	196			3X53A				>97	3X39A
I AVR 45-33	45	44.5X68.5X102.5	226			3X79A				>97	3X58A
I AVR 60-33	60	54.5X103X131.5	387			3X106A				>97	3X74A
I AVR 75-33	75	54.5X103X131.5	390			3X131A				>97	3X91A
I AVR 90-33	90	54.5X103X131.5	455			3X158A				>97	3X110A
I AVR 110-33	110	61.5X114,5X153	486			3X191A				>97	3X133A
I AVR 120-33	120	61.5X114,5X153	500			3X210A				>97	3X146A
I AVR 150-33	150	61.5X114,4X153	584			3X265A				>97	3X182A
I AVR 220-33	220	88.5X180.5X132.5	960			3X387A				>97	3X269A
I AVR 270-33	270	88.5X180.5X132.5	1200			3X470A				>97	3X327A
I AVR 360-33	360	220.5X139.5X157.3	2045			3X633				>97	3X438A
I AVR 500-33	500	184.5X135.5X152	2740			3X877A				>97	3X610A
I AVR 1000-33	1000	300X150X200	3800			3X1758A				>97	3X1223A

* Product specifications are subject to change without further notice