

AVR Series

Automatic Voltage Regulator

Single Phase (2-30 kVA), Three Phase (6-1000kVA)



- Servo Motor Controlled Technology
- Fast Response to Fluctuations
- Reliable Stabilization for Secure Energy
- High efficiency in each model
- Short circuit protection
- Ability to work with non-linear loads
- Manual Bypass Switch
- Wide input voltage range version (optional)
- Electro-mechanic (breaker module) high-low voltage protection (optional)
- Output Isolation Transformer (optional)
- Higher IP applications are available

Accessories (available for all power range)

- Digital Display
- Breaker Module (provides you the phase and low / high voltage protection)
- Wide Voltage Range Models

Inform AVR is used with any computer system, fax and photocopy machines, industrial, medical, laboratory, office appliances and household for secure energy.

Inform AVR protects your load from all fluctuations of the mains voltage and regulates it.

It disconnects the output voltage electro-mechanically when an increase or decrease occurs that is out of limits and prevents all the possible problems by electronic protection.

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

Output voltage is observed by analogue or digital display (optional). Over current protection is ensured by magnetic switch and inside cooling is assured by natural cooling or fan depending on power. In single- phase models special inside structure and natural cooling is applied. Connections of the unit are done by NK model Terminals.

Phase protection, which is operated optionally, disconnects the output during low or high voltage value, and if there is no phase, again disconnects the output voltage by contactor. In order to avoid the possible problems that can be caused by sudden voltage fluctuations, Inform AVR includes a time relay, which can take the control in 2 seconds. It has a by-pass switch and on/off property.

Wide voltage range models may be produced upon request. The standard voltage range of these models may be altered upon request.

Digital Version enables monitoring of the following parameters; Input/Output Voltage, Output Current (optional), output frequency. It also has Regulator in operation, output voltage high / low LED indicators

Digital AVR provides “output is present (Regulator in operation)” and “Output voltage high / low” dry contact alarm signals.

AVR Specifications

MODEL	POWER	Dimensions	Weight	Response	Input		Output					ENVIRONMENT		
SINGLE PHASE	(kVA)	WxDxH (cm)	(kg)	V/Sn	Voltage (V)	Max current	Voltage (V) L-N	Frequency	THD	Efficiency (%)	Max current	Temperature	Audible Noise	Humidity
e-0201	2	25 x 43 x 27	21	80	160-245	10A	220/230/240±%1	same as input	w/o distortion, no affect on harmonics	≥ 95	7.3A	0-40°C	<45dBA	20-95%
e-0351	3,5	25 x 43 x 27	26			17,5A				≥ 96	12,7A			
e-0501	5	50,5 x 39 x 28,5	37			25A					19.4A			
e-0751	7,5	50,5 x 39 x 28,5	46			37,5A					29A			
e-1001	10	53,5 x 44,5 x 35	61			50A					39A			
e-1501	15	36,5 x 62 x 64	85			75A					58A			
e-2001	20	49,5 x 73 x 77,5	136			100A					74A			
e-3001	30	49,5 x 73 x 77,5	145			150A					111A			
THREE PHASE	(kVA)	WxDxH (cm)	(kg)	V/Sn	LINE-LINE	Max current	Voltage (V) L-L	Frequency	THD	Efficiency (%)	Max current	Temperature	Audible Noise	Humidity
e-0603	6	39,5 x 53,5 x 88	77,5	80	277-424	3x10,5A	380/400/415±%1	same as input	w/o distortion, no affect on harmonics	≥ 95	3x7.2A	0-40°C	<50dBA	20-95%
e-1053	10,5	39,5 x 53,5 x 88	90			3x17,5A				≥ 96	3x12,7A			
e-1503	15	39,5 x 58 x 91,5	130			3x25A					3x19.4A			
e-2253	22,5	39,5 x 58 x 91,5	144			3x37,5A					3x29A			
e-3003	30	44,5 x 68,5 x 102,5	195			3x50A				≥ 97	3x39A			
e-4503	45	44,5 x 68,5 x 102,5	226			3x75A					3x58A			
e-6003	60	54,5 x 103 x 131,5	387			3x100A					3x74A			
e-7503	75	54,5 x 103 x 131,5	390			3x125A					3x91A			
e-9003	90	54,5 x 103 x 131,5	455			3x150A					3x110A			
e-11003	110	61,5 x 114,5 x 153	486			3x183A					3x133A			
e-12003	120	61,5 x 114,5 x 153	500			3x200A					3x146A			
e-15003	150	61,5 x 114,5 x 153	584			3x250A					3x182A			
e-22003	220	88,5 x 180,5 x 132,5	960			3x366,7A					3x269A			
e-27003	270	88,5 x 180,5 x 132,5	1196			3x450A					3x327A			
e-36003	360	220,5 x 139,5 x 157,3	2045			3x600A					3x438A			
e-50003	500	184,5x135,5x152	2740			3x833A					3x610A			
e-60003	600	250,4x150x185,5	2910			3x1000A					3x727A			
e-100003	1000	343,5x170x162	3800			3x1666,7A					3x1223A			