

AVR Series

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

- ▶ Servo Motor Controlled Technology
- ▶ Fast Response for 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)
- ▶ Digital Display option available
- ▶ Higher IP applications are available
- ▶ Phase Independent Voltage Regulation for Three Phase 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 (optional).

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) & Output voltage high / low dry contact alarm signals.

Options(available for all power range)

- Digital Display
- Breaker Module (provides phase missing and low/high voltage protection)
- Wide Voltage Range Model available (135 - 245V (L-N) for Single Phase, 233 - 424V (L-L) for Three Phase)

Automatic Voltage Regulator Technical Specifications

MODEL SINGLE PHASE	POWER (kVA)	Dimensions WxDxH(cm)	Weight (kg)	Response V/Sn	Input		Output				ENVIRONMENT				
					Voltage (V) L-N	Max Current	Voltage (V)* L-N	Phase	Frequency	THD	Efficiency(%)	Max Current	Temperature	Audible Noise	Humidity
e-0201	2	25 x 50 x 29,5	21	80	160-245	10,5A	220/230/240±%2	1 Ph+N	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 50 x 29,5	26	80	160-245	19A	220/230/240±%2	1 Ph+N			≥ 96	12,7A	0-40°C	<45dBA	20-95%
e-0501	5	50,5 x 39 x 28,5	37	80	160-245	27A	220/230/240±%2	1 Ph+N			≥ 96	19,4A	0-40°C	<45dBA	20-95%
e-0751	7,5	50,5 x 39 x 28,5	46	80	160-245	39A	220/230/240±%2	1 Ph+N			≥ 96	29A	0-40°C	<45dBA	20-95%
e-1001	10	53,5 x 44,5 x 35	61	80	160-245	53A	220/230/240±%2	1 Ph+N			≥ 96	39A	0-40°C	<45dBA	20-95%
e-1501	15	36,5 x 62 x 64	85	80	160-245	79A	220/230/240±%2	1 Ph+N			≥ 96	58A	0-40°C	<45dBA	20-95%
e-2001	20	49,5 x 73 x 77,5	136	80	160-245	106A	220/230/240±%2	1 Ph+N			≥ 96	74A	0-40°C	<45dBA	20-95%
e-3001	30	49,5 x 73 x 77,5	160	80	160-245	159A	220/230/240±%2	1 Ph+N			≥ 96	111A	0-40°C	<45dBA	20-95%
THREE PHASE	(kVA)	WxDxH(cm)	(kg)	V/Sn	Voltage (V) L-L	Max Current	Voltage (V)* L-L	Phase			Frequency	THD	Efficiency(%)	Max Current	Temperature
e-0603	6	39,5 x 53,5 x 88	77,5	80	277-424	3x10,5A	380/400/415±%2	3 Ph+N	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	80	277-424	3x19A	380/400/415±%2	3 Ph+N			≥ 96	3x12,7A	0-40°C	<50dBA	20-95%
e-1503	15	39,5 x 58 x 91,5	130	80	277-424	3x27A	380/400/415±%2	3 Ph+N			≥ 96	3x19,4A	0-40°C	<50dBA	20-95%
e-2253	22,5	39,5 x 58 x 91,5	144	80	277-424	3x39A	380/400/415±%2	3 Ph+N			≥ 96	3x29A	0-40°C	<50dBA	20-95%
e-3003	30	44,5 x 68,5 x 102,5	196	80	277-424	3x53A	380/400/415±%2	3 Ph+N			≥ 97	3x39A	0-40°C	<50dBA	20-95%
e-4503	45	44,5 x 68,5 x 102,5	226	80	277-424	3x79A	380/400/415±%2	3 Ph+N			≥ 97	3x58A	0-40°C	<50dBA	20-95%
e-6003	60	54,5 x 103 x 131,5	360	80	277-424	3x106A	380/400/415±%2	3 Ph+N			≥ 97	3x74A	0-40°C	<50dBA	20-95%
e-7503	75	54,5 x 103 x 131,5	390	80	277-424	3x131A	380/400/415±%2	3 Ph+N			≥ 97	3x91A	0-40°C	<50dBA	20-95%
e-9003	90	54,5 x 103 x 131,5	455	80	277-424	3x158A	380/400/415±%2	3 Ph+N			≥ 97	3x110A	0-40°C	<50dBA	20-95%
e-11003	110	61,5 x 114,5 x 153	486	80	277-424	3x191A	380/400/415±%2	3 Ph+N			≥ 97	3x133A	0-40°C	<50dBA	20-95%
e-12003	120	61,5 x 114,5 x 153	500	80	277-424	3x210A	380/400/415±%2	3 Ph+N			≥ 97	3x146A	0-40°C	<50dBA	20-95%
e-15003	150	61,5 x 114,5 x 153	584	80	277-424	3x265A	380/400/415±%2	3 Ph+N			≥ 97	3x182A	0-40°C	<50dBA	20-95%
e-22003	220	88,5 x 180,5 x 142,5	960	80	277-424	3x387A	380/400/415±%2	3 Ph+N			≥ 97	3x269A	0-40°C	<50dBA	20-95%
e-27003	270	88,5 x 180,5 x 142,5	1200	80	277-424	3x470A	380/400/415±%2	3 Ph+N			≥ 97	3x327A	0-40°C	<50dBA	20-95%
e-36003	360	220,5 x 139,5 x 157,3	2045	80	277-424	3x633A	380/400/415±%2	3 Ph+N			≥ 97	3x438A	0-40°C	<50dBA	20-95%
e-40003	400	110 x 210 x 157	2300	80	277-424	3x688A	380/400/415±%2	3 Ph+N			≥ 97	3x610A	0-40°C	<50dBA	20-95%
e-50003	500	184,5 x 135,5 x 152	2740	80	277-424	3x877A	380/400/415±%2	3 Ph+N			≥ 97	3x610A	0-40°C	<50dBA	20-95%
e-60003	600	250,5 x 151 x 186,5	2910	80	277-424	3x1031A	380/400/415±%2	3 Ph + N			≥ 97	3x610A	0-40°C	<50dBA	20-95%
e-80003	800	322,5 x 170 x 163	3600	80	277-424	3x1375A	380/400/415±%2	3 Ph + N			≥ 97	3x970A	0-40°C	<50dBA	20-95%
e-100003	1000	322,5 x 170 x 163	3800	80	277-424	3x1758A	380/400/415±%2	3 Ph + N			≥ 97	3X1223A	0-40°C	<50dBA	20-95%

* ±1% to ±5% adjustable at Digital Version