



AUTOMATIC VOLTAGE REGULATOR

2KVA TO 1000 KVA



- High efficiency in each model
- Electro-mechanic high-low voltage protection
- Short circuit protection.
- Ability to work with non-linear loads.
- Wide input voltage range option
- Spare part supply warranty for 10 years.

e-SERIES AVR is used safely with any computer system, fax and photocopy machines, industrial, medical, laboratory, Office appliances and household. e-SERIES AVR protects your load from all fluctuations at the mains 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 analogue 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. Connections of the unit are done by NK model Clemens.

Phase protection, which is operated optionally, 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, e-SERIES 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.



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Specifications

MODEL	POWER	DIMENSIONS	WEIGHT	RESPONSE	INPUT		OUTPUT			
					Single Phase	(kVA)	WxDxH(cm)	(kg)	V/Sn	Voltage (V)
e-0201	2	25 x 43 x 27	24	80	160-245	10.5A	220/230/240±%1	1	≥ 95	7.3A
e-0351	3.5	25 x 43 x 27	26	80	160-245	19A	220/230/240±%1	1	≥ 96	12.7A
e-0501	5	50,5 x 39 x 28,5	42	80	160-245	27A	220/230/240±%1	1	≥ 96	19.4A
e-0751	7.5	50,5 x 39 x 28,5	50	80	160-245	39A	220/230/240±%1	1	≥ 96	29A
e-1001	10	53,5 x 44,5 x 35	58	80	160-245	53A	220/230/240±%1	1	≥ 96	39A
e-1501	15	36,5 x 62 x 64	120	80	160-245	79A	220/230/240±%1	1	≥ 96	58A
e-2001	20	49,5 x 73 x 77,5	127	80	160-245	106A	220/230/240±%1	1	≥ 96	74A
e-3001	30	49,5 x 73 x 77,5	138	80	160-245	159A	220/230/240±%1	1	≥ 96	111A
Three Phase	(kVA)	WxDxH(cm)	(kg)	V/Sn	Line - Line -	Max Current	Voltage (V) L-L	Phase No	Efficiency (%)	Max Current
e-0603	6	39,5 x 53,5 x 88	62	80	277-424	3x10,5A	380/400/415±%1	3	≥95	3x7.2A
e-1053	10.5	39,5 x 53,5 x 88	62	80	277-424	3x19A	380/400/415±%1	3	≥96	3x12,7A
e-1503	15	39,5 x 58 x 91,5	190	80	277-424	3x27A	380/400/415±%1	3	≥96	3x19.4A
e-2253	22.5	39,5 x 58 x 91,5	206	80	277-424	3x39A	380/400/415±%1	3	≥96	3x29A
e-3003	30	44,5 x 68,5 x 102,5	248	80	277-424	3x53A	380/400/415±%1	3	≥97	3x39A
e-4503	45	44,5 x 68,5 x 102,5	270	80	277-424	3x79A	380/400/415±%1	3	≥97	3x58A
e-6003	60	54,5 x 103 x 131,5	360	80	277-424	3x106A	380/400/415±%1	3	≥97	3x74A
e-7503	75	54,5 x 103 x 131,5	420	80	277-424	3x131A	380/400/415±%1	3	≥97	3x91A
e-9003	90	54,5 x 103 x 131,5	550	80	277-424	3x158A	380/400/415±%1	3	≥97	3x110A
e-11003	110	61,5 x 114,5 x 153	624	80	277-424	3x191A	380/400/415±%1	3	≥97	3x133A
e-12003	120	61,5 x 114,5 x 153	624	80	277-424	3x210A	380/400/415±%1	3	≥97	3x146A
e-15003	150	61,5 x 114,5 x 153	624	80	277-424	3x265A	380/400/415±%1	3	≥97	3x182A
e-22003	220	88,5 x 180,5 x 132,5	1200	80	277-424	3x387A	380/400/415±%1	3	≥97	3x269A
e-27003	270	88,5 x 180,5 x 132,5	1200	80	277-424	3x470A	380/400/415±%1	3	≥97	3x327A
e-36003	360	220,5 x 139,5 x 157,3	1600	80	277-424	3x633A	380/400/415±%1	3	≥97	3x438A
e-50003	500	184,5 x 135,5 x 152	3200	80	277-424	3x877A	380/400/415±%1	3	≥97	3x610A
e-60003	600	250,4 x 150 x 185	3300	80	277-424	3x1045A	380/400/415±%1	3	≥97	3X727A
e100003	1000	300 x 150 x 200	4000	80	277-424	3x1758A	380/400/415±%1	3	≥97	3X1223A