

AVR



HOME/OFFICE DATA CENTER MEDICAL INDUSTRY TRANSPORTATION EMERGENCY

AUTOMATIC VOLTAGE REGULATORS



ESIS Power Energy AC Voltage Regulator ensures stable 110V / 220V output despite input voltage or load fluctuations. With a DC servo-motor control system and automatic safety protection, it delivers reliable and efficient performance for home, commercial, and industrial applications.

SPECIFICATION

	MODEL EPE	MODEL EPE_EP
Input Voltage	70V - 130V or 160V - 250V	260V - 430V
Output Voltage	220V / 110V $\pm$ 3%	380 $\pm$ 3%
Phase	Single Phase	3 Phase 3 - Wire
Frequency	50 - 60 Hz	
Response Time	< 0.8 sec (against 10% input voltage deviation)	
Efficiency	Better than 90%	
Power Factor	Better than 95%	
Ambient Temperature	- 5°C - + 40°C	
Relative Humidity	Less than 90%	
Temperature Rise	Less than 75°C	
Control System	DC Servo Motor	
Insulation Resistance	> 2M Ω (more than M Ω at DC 500V)	
Dielectric Strength	Tested at AC 1500V for 1 min	

RATING, DIMENSIONS AND WEIGHTS

MODEL	POWER Output	Input Voltage (V)	Output Voltage (V)	L (mm)	W (mm)	H (mm)	Weight (kg)
SLIM SMART - EP(with multiple & two pin sockets, three core input lead & German plug top)							
EPE- EP - 1E	500 VA	Single Phase		255	185	75	4.0
EPE- EP - 2E	1000 VA	160V - 250V → 110V/220V ± 3%		265	205	95	6.0
REGULAR (with two pin sockets, two core input lead & two pin plug top)							
EPE- 1E	500 VA	160V - 250V → 110V/220V ± 3%		170	190	135	5.5
EPE- 2E	1000 VA			200	225	160	7.5
EPE- 3E	1500 VA			200	225	160	8.5
REGULAR - GL (with multiple ouput sockets, three core input lead & German plug top)							
EPE- PE - 1E	500 VA	160V - 250V → 110V/220V ± 3%		170	190	135	5.5
EPE- PE - 2E	1000 VA			200	225	160	7.5
EPE- PE - 3E	1500 VA			200	225	160	8.5
EPE- PE - 4E	2000 VA	70V - 130V → 110V ± 3%		260	245	195	10
EPE- PE - 5E	3000 VA	160V - 250V → 220V ± 3%		290	245	245	12
EPE- PE - 6E	5000 VA	160V - 250V → 220V ± 3%		280	245	440	30
EPE- PE - 7E	FLAT			365	245	195	25
EPE- PE - 8E	10000 VA			280	255	460	40
EPE- PE - 9E	15000 VA			400	300	640	70
EPE- PE -10E	20000 VA			400	330	640	75
EPE- EE - 6000	75	3 - PHASE 4 - WIRE 260V - 430V → 380V ± 3%		400	450	900	39
EPE- EE - 10000	100			550	510	900	48
EPE- EE - 15000	120			550	510	900	85
EPE- EE - 20000	150			640	550	1060	124
EPE- EE - 30000	200			640	550	1060	131
EPE- EE -50000	300			780	550	1100	197
EPE- EE - 60000	400			780	550	1100	240
EPE- EE - 75000	500			750	950	1610	500
EPE- EE - 100000	600			750	950	1610	530

ESIS Power Energy reserves the right to modify these details at any time without prior notification.