

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

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