



# PANDA<sup>®</sup>



## MODEL **ZTY** SERIES AC AUTOMATIC VOLTAGE REGULATOR SINGLE PHASE AND THREE PHASE

### INTRODUCTION

PANDA BRAND AC VOLTAGE REGULATOR CONTROLLED BY A DC SERVOMOTOR. IT IS A REGULATING DEVICE WHICH KEEPS AC OUTPUT VOLTAGE STABLE AT 110V OR 220V WHILE INPUT VOLTAGE OR LOAD VARIES. IT IS EQUIPPED WITH AUTOMATIC SAFETY DEVICE. THE PRODUCT IS A BEST SELLING IN INTERNATIONAL MARKET. IT IS PRAISED AS GOOD ELECTRIC APPLIANCE

**ZHEJIANG PANDA ELECTRIC CO., LTD.**  
SHANGYUAN INDUSTRIAL ZONE, LIUSHI, YUEQING, ZHEJIANG, P.R. CHINA 325604



# PANDA®

## AC AUTOMATIC VOLTAGE REGULATOR

### SPECIFICATION

	MODEL ZTY	MODEL ZTY-TP
Input Voltage	70V - 130V or 160V - 250V	260V - 430V
Output Voltage	220V / 110V ± 3%	380V ± 3%
Phase	Single Phase	3 Phase 4 - 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 - SF</b> (with multiple & two pin sockets, three core input lead & German plug top)							
ZTY - SF - 1A	500 VA	<b>Single Phase</b> 160V - 250V → 110V/220V ± 3%		255	185	75	4.0
ZTY - SF - 2A	1000 VA			265	205	95	6.0
<b>REGULAR</b> (with two pin sockets, two core input lead & two pin plug top)							
ZTY - 1A	500 VA	160V - 250V → 110V/220V ± 3%		170	190	135	5.5
ZTY - 2A	1000 VA			200	225	160	7.5
ZTY - 3A	1500 VA			200	225	160	8.5
<b>REGULAR - GL</b> (with multiple output sockets, three core input lead & German plug top)							
ZTY - GL - 1A	500 VA	160V - 250V → 110V/220V ± 3%		170	190	135	5.5
ZTY - GL - 2A	1000 VA			200	225	160	7.5
ZTY - GL - 3A	1500 VA			200	225	160	8.5
ZTY - GL - 4A	2000 VA	70V - 130V → 110V ± 3%	160V - 250V → 220V ± 3%	260	245	195	10
ZTY - GL - 5A	3000 VA	160V - 250V → 220V ± 3%		290	225	245	12
ZTY - GL - 7A	5000 VA	160V - 250V → 220V ± 3%		280	245	440	30
ZTY - GL - 7A	FLAT			365	245	195	25
ZTY - GL - 8A	10000 VA			280	255	460	40
ZTY - GL - 9A	15000 VA			400	330	640	70
ZTY - GL - 10A	20000 VA	400	330	640	75		
ZTY - TP - 6000	6000 VA	<b>3 - PHASE 4 - WIRE</b> 260V - 430V → 380V ± 3%		400	450	900	39
ZTY - TP - 10000	10000 VA			550	510	900	48
ZTY - TP - 15000	15000 VA			550	510	900	85
ZTY - TP - 20000	20000 VA			640	550	1060	124
ZTY - TP - 30000	30000 VA			640	550	1060	131
ZTY - TP - 50000	50000 VA			780	550	1100	197
ZTY - TP - 60000	60000 VA			780	550	1100	240
ZTY - TP - 75000	75000 VA			750	950	1610	500
ZTY - TP - 100000	100000 VA			750	950	1610	530

\* Specifications Subject to change with or without notice

**Distortion Free Power**