



ZTY series 1 KVA-45 KVA

AC stabilized Power Supply



APPLICATION

For office equipment, testing equipment, medical equipment, industrial automation equipment, household appliance, communication system, etc.

ZTY fully automatic A.C voltage stabilizer consists of contact voltage regulator, sampling control circuit and servo motor when input voltage or load changes, sampling control circuit will sample and amplify the voltage, and the servo motor will rotate in the desired direction, which turns the arm, adjusting voltage until the output voltage is regulated into the rated output voltage.

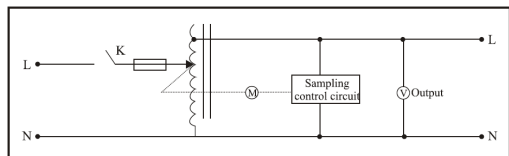
It is of small size, lightweight, less output waveform distortion and reliable performance. To guarantee its quality, foreign advanced technology and main parts are introduced and imported. It is widely used in electrical appliances which need constant voltage power supply, and in the fields of industry production, scientific research and medical hygiene.

FEATURES

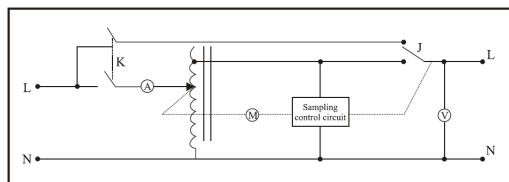
- 1) High quality output voltage : the voltage stabilizer can work without interruption with balanced voltage regulating process and no temporary Beta topic phenomena, high accurate output voltage with $220V \pm 3\%$
- 2) Wide input voltage range and load compatibility characteristics.
- 3) Over voltage, under voltage and over current protection: It can guarantee the machine safety and effectively protects electric terminals.
- 4) Long working life: the employed high-breaking circuit breaker can reliably protect overload and short circuit, the new developed and high performance carbon brush, which name C1017, considerably prolongs the voltage stabilizer working life.
- 5) Display window: it can display over voltage, under voltage and over current status, so that the user expediently use the AVR.

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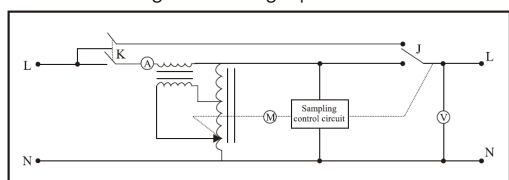
AC stabilized Power Supply



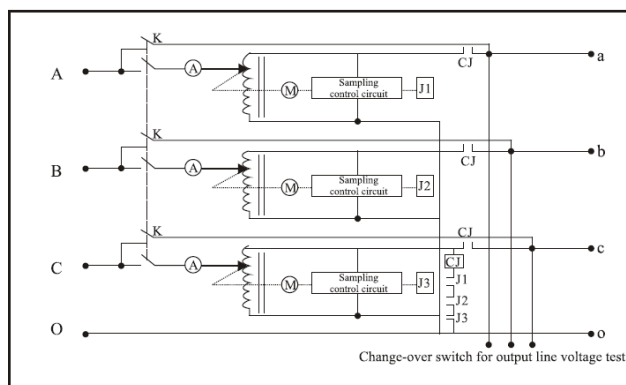
Electronic circuit diagram of single-phase of 1000VA



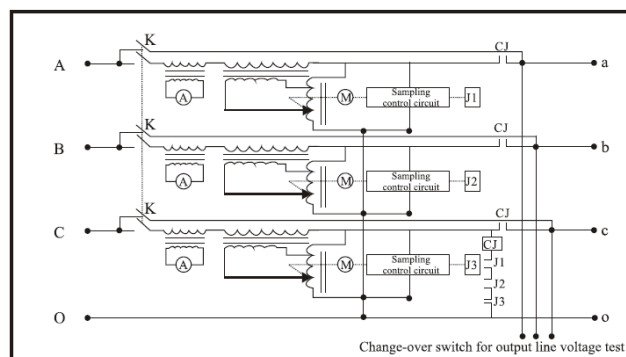
Electronic circuit diagram of single-phase of 2000VA - 3000VA



Electronic circuit diagram of single-phase of 5000VA and above



Electronic circuit diagram of three-phase of 10KVA



Electronic circuit diagram of three-phase of 15KVA and above

ZTY series 1KVA-45KVA Specification

Specication	ZTY Single Phase								ZTY Three Phase					
VA Rating	1KVA	2KVA	3KVA	5KVA	10KVA	15KVA	20KVA	30KVA	10KVA	15KVA	20KVA	30KVA	45KVA	
Input														
Phase	Single Phase + N + GND								Three Phase + N + GND					
Voltage Range	160Vac - 250Vac								Line Voltage 277Vac - 430Vac					
Output														
Voltage Range	220V								380V					
Voltage Precision	≤ ± 3%													
Frequency	50/60 Hz													
Power Factor	0.8													
Over-voltage Protection	Output Phase Voltage 246V ± 4V													
Low-voltage Protection	Output Phase Voltage 184V ± 4V													
Efficeincy	≥ 90%													
Other														
Display Model	LED Direction Light , Finger Voltage Diagram													
Input / Output Device	Plug				Terminal									
Waveform Distorion	No additional wave form distortion													
Response Time	<1s(when input voltage has a change of ±10%)													
Insulation Resistance	≥ 5M Ω													
Electrical Strength	No flashover or breakdown when at 2000V/min													
Ambient Temperature	(-5 ⁰ C~+40 ⁰ C)													
Relative Humidity	≥ 95%													
Net Weight (kg)	3.5	9.5	12	22.5	34	57	62	126	48	75	109	116	168	
Gross Weight (kg)	4	10.5	13	24	36	62	67	147	53	85	124	131	197	
ZTY Single Phase	1KVA	2KVA	3KVA	5KVA	10KVA	15KVA	20KVA	30KVA						
Dimension (D×W×H)mm	220x210x160	270x240x200	300x220x250	300x240x430	300x250x450	410x330x650			530x430x1020					
Packing (D×W×H)mm	280x500x400	340x300x500	620x380x350	310x390x480	400x370x560	520x450x760			660x560x1120					
ZTY Three Phase	10KVA	15KVA	20KVA	30KVA	45KVA									
Dimension (D×W×H)mm	350x330x780	430x380x730	430x510x910			650x430x950			780x550x1100					
Packing (D×W×H)mm	480x450x900	550x510x900	640x550x1060			780x550x1100								