www.btconnect.co.th

Uninterruptible Power Supply

ZTY series 1 KVA-45 KVA

AC stabilized Power Supply



APPLICATION

For office equipment, testing equipment, medical equipment, industrial automation equipment, household appliances, communication systems, etc.

The ZTY fully automatic A.C. voltage stabilizer consists of a contact voltage regulator, a sampling control circuit, and a servo motor. When the input voltage or load changes, the sampling control circuit samples and amplifies the voltage, and the servo motor rotates in the desired direction to turn the arm, adjusting the voltage until it reaches the rated output level.

It features a compact size, lightweight design, minimal output waveform distortion, and reliable performance. To guarantee high quality, advanced foreign technology and key imported components are utilized. It is widely used for electrical appliances requiring a constant power supply, as well as in the fields of industrial production, scientific research, and medical hygiene.

FEATURES

1. High-quality output voltage: The voltage stabilizer operates continuously with a balanced regulating process and no temporary drop/fluctuation phenomena, providing a high-accuracy output voltage of 220V ±3%.
2. Wide input voltage range: Offers excellent load compatibility characteristics.
3. Over-voltage, under-voltage, and over-current protection: Reliably guarantees machine safety and effectively protects connected electrical devices.
4. Long working life: Equipped with a high-breaking circuit breaker that reliably protects against overloads and short circuits. The newly developed, high-performance C1017 carbon brush significantly extends the service life of the voltage stabilizer.Display window:
5. Displays over-voltage, under-voltage, and over-current status, allowing users to operate the AVR conveniently.

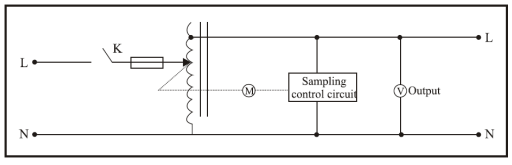
@btconnect

BCN UPS @btconnect BCN UPS

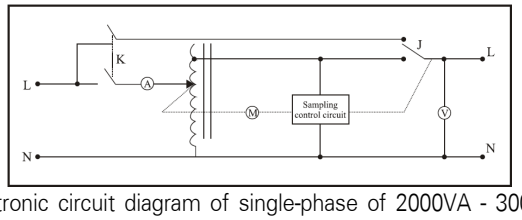
Your choice of power protection

ZTY series 1 KVA-45KVA

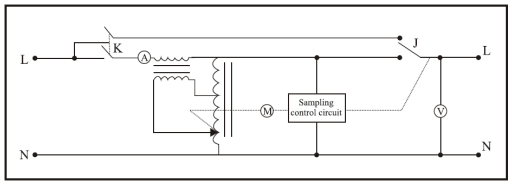
AC stabilized Power Supply



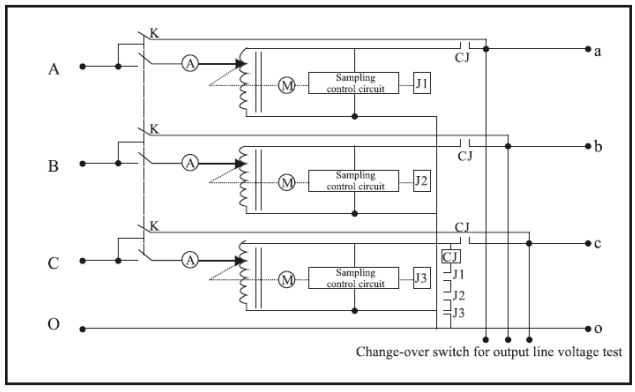
Electronic circuit diagram of single-phase of 1000VA



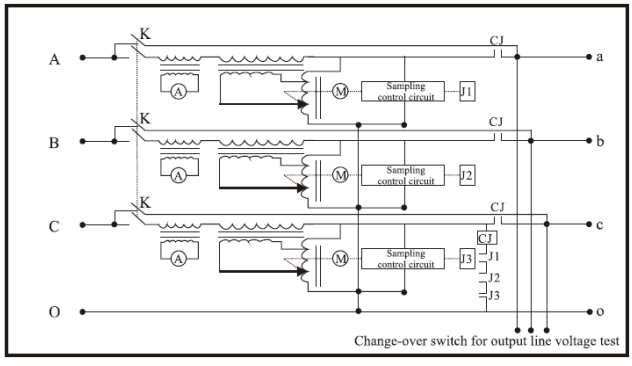
Electronic circuit diagram of single-phase of 2000VA - 3000VA



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 1 KVA-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												
Efceincy	⩾ 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	⩾ 2M Ω												
Electrical Strength	No flashover or breakdown when at 2000V/min												
Ambient Temperature	(-5°C~+40°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
Packing (D×W×H)mm	480x450x900	550x510x900	640x550x1060		780x550x1100