



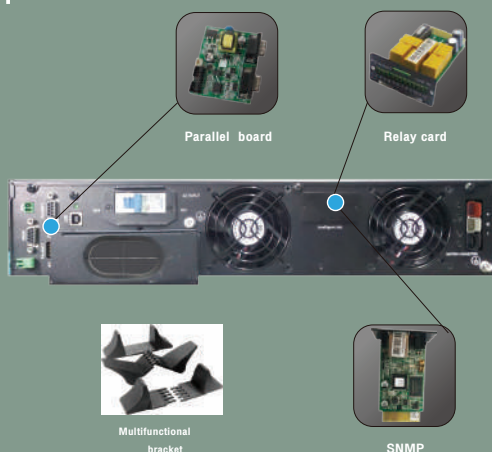
**TRUE ONLINE  
DOUBLE CONVERSION  
RACK & TOWER  
ZC-RT  
1:1 PHASE**



Gray LCD

### The LCD panel can be rotated

The ZC-Series RT Convertible Parallel Redundancy on-line UPS series, featured with up to 93.5% efficiency, rack/tower Convertible, N+X Parallel Redundancy, DSP-controlled technology, high input & output power factors superior input voltage window for energy saving, estimated remaining time, Eco mode, exible system conguration, is an ideal solution to your server, bank, industrial equipment, IT equipment, communication system and other networking equipment, which is demanding for a thorough protection.



**ZC-RT Rating 6kVA-10kVA**

## Features

- High power density
- LCD supports Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full DSP control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110~286Vac
- Wide input frequency range
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Relay card/SNMP card optional)
- Parallel kit default
- Maximum charging current up to 10A
- Cold start
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Software management
- Emergency Power off (EPO)



ISO9001:2015, ISO14001, FCC, CE, UL, LVD, EMC



## ZC-RT 6KVA-10KVA

1 Phase In, 1 Phase  
Rack / Tower UPS

MODEL		ZC-RT 6kVA	ZC-RT 10kVA
Capacity		6000VA / 5400W	10000VA / 9000W
INPUT			
Nominal voltage		208/220/230/240Vac -50%, +30 %	
Input voltage range		110~286Vac	
Power factor		≥0.99	
Bypass voltage range		Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)	
Input Current Harmonics Disortion (THDi)		<3% Linear load	<5% non-linear load
FREQUENCY			
Frequency range		40~70Hz (50/60Hz Auto-Sensing)	
OUTPUT			
Output voltage		208/220/230/240Vac	
Voltage regulation		±1%	
Power factor		0.9	
Output frequency	Line mode	±1%/±2%±/±4%/±5%/±10% of the rated frequency (Optional)	
	Bat. mode	(50/60±0.05%) Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load	
Transfer time	AC mode to Bat.mode	0ms	
	Inverter to Bypass	0ms	
Output waveform		Pure Sinewave	
Overload	Line mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately	
	Bypass mode	40A (Breaker)	63A (Breaker)
Efficiency		94%	
BATTERY			
Battery voltage		±192/±216/±240Vdc (Settable)	
Capacity (Standard unit)		Maintenance free sealed lead acid 12V9Ah	
Backup time		5 min full load 15 mins (depend on loads)	
Typical recharging time		6~8 hours (to 90% of full capacity)	
Charging current		Max.current 10A (Charging current can be set according to battery capacity)	
INDICATORS			
LED display		Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault	
LCD display		Input voltage,Input frequency,Output voltage,Output frequency,Load percentage,Load (Watt/VA) Charger/Fan,Battery voltage,Inner temperature& Remaining battery backup time	
ALARM			
Battery mode		Beeping every 4 seconds	
Battery low		Beeping every second	
Overload		Beeping twice every second	
Fault		Continously beeping	
PHYSICAL			
Dimension W x D x H (mm)		440 x 625 x 86.5 (2U)	
Battery cabinet		440 x 680 x 161 (3U)	
Net weight (kg)		16 (56 battery cabinet)	18 (63 battery cabinet)
ENVIRONMENT			
Operating temperature		0~40°	
Storage temperature		-25~55°	
Humidity range		20~95%RH @ 0~40° (Non condensing)	
Altitude		<1500m,derating required when>1500m	
Noise level		<55dB at 1 Meter	<58dB at 1 Meter
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN 62477-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

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OPERATION TIME (Mon~Fri 08.30~17.30)

SERVICE CENTER | COMPLAINT CENTER

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**HOTLINE**  
**ZIRCON 24 hrs.**

**082-703-7777**