

TRUE ONLINE DOUBLE CONVERSION TECHNOLOGY



Model :

ZC-RTIII

1:1 Phase

Rating 1kVA, 2kVA, 3kVA



Advanced protection for:

- Small & medium datacenter
- IT, Networking, Storage and Telecom
- Infrastructure, Industrial and Medical

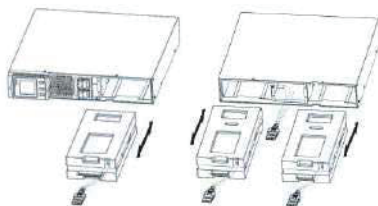
LCD Operation

LCD control panel consists of LCD display board, LED and buttons, which displays and controls these information including Utility, Inverter, Bypass, Load, Frequency, Fault, Running, alarm information, function setting information.



Intelligent slot optional

- USB
- SNMP
- Dry Contact Board



Hot Swappable Battery

Rack & Tower Convertible

Features

- Rack 19"(2U)/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Manual
- True Online Double Conversion with DSP Control
- High Output Power Factor at PF.0.9
- Charger/Fan Status on the LCD Display
- Green Concept Design with Superior Input
- Voltage Window for Energy Saving
- Hot-Swappable Battery
- 3-level intelligent Charging Method
- Support Generator Input
- Efficiency up to 90%
- Estimated Remaining Time displayed on the LCD.
- Support Economic(ECO) Operation Mode
- Cold Start
- Power Shedding May Turn Off Uncritical Load in Battery Backup
- Emergency Power Off (EPO)
- Frequency Converter Mode Is Settable
- Surge protection
- Multiple protection : Over and Low voltage protection, Overload, Short-circuit, Noise, Overheat and Fan fault alarm

2 YEARS WARRANTY



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Specifications

MODEL	ZC-RT III				
Capacity	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W	

INPUT					
Nominal voltage	208/220/230/240Vac				
Input voltage range	110~300Vac (176~264Vac @ 100% load)				
Power factor	≥0.99				
Phase	Single phase & Ground				
Current THDi	<7% at 100% non-linear load				
Bypass Voltage Range	Bypass high voltage point : 230-264Vac (Setting on LCD, Default: 264Vac)				
	Bypass low voltage point : 176-220Vac (Setting on LCD, Default: 176Vac)				

ECO Range	same as the bypass				
Generator Input	Support				

FREQUENCY					
Frequency range	40~70Hz (50/60Hz Auto-Sensing)				
Phase	Single phase & Ground				

OUTPUT		
Output voltage		208/220/230/240Vac
Voltage regulation		±1%
Power factor		0.9
Output frequency	Line mode	46~54Hz or 56~64Hz
	Bat. mode	(50/60±0.1%)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤3% Linear load ≤5% Non linear load
Transfer time	AC mode to Bat.mode	0ms
	Inverter to Bypass	4ms (Typical)
Output waveform		Pure Sinewave

EFFICIENCY					
AC mode	89%	89%	91%	92%	
Battery mode	85%	85%	87%	88%	
ECO Mode (full load)	>94%				

BATTERY					
Battery number	2	3	3	4	6
Capacity (Standard unit)	9Ah/12V (7Ah/12V Optional)				
Typical recharging time	4 hours (To 90% of full capacity)				
Charging current (Max.)	1A				
Battery Socket	Anderson like PowerPole Modular connectors				
Backup Time	Full load 5 min, 15-30 min (Depend on load), Estimated remaining time display on th LCD				

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, Battery Level,Inner temperature& Remaining battery backup time				

ALARM					
Battery mode	Beeping every 4 seconds				
Battery low	Beeping every second				
Overload	Beeping twice every second				
Fault	Continuously beeping				

PHYSICAL					
Dimension (W x D x H)	440x325x86.5mm	440 x 460 x 86.5mm	440 x 460 x 86.5mm	440 x 460 x 86.5mm	440 x 600 x 86.5mm
Net weight	11.3 kg	14 kg	16.5kg	19.5 kg	25 kg

ENVIRONMENT					
Operating temperature	0°C~40°C				
Storage temperature	-25°C~55°C				
Humidity range	20~95%RH @ 0~40°C (Non condensing)				
Altitude	<1500m,derating required when>1500m				
Noise level	<45dB at 1 Meter				

STANDARDS					
Safety	IEC/EN62040-1,IEC/EN62477-1				
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8				

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design

MODEL	B-MEMO RT-6		B-MEMO RT-12	
BATTERY SYSTEM				
Battery type	VRLA (Lead acid maintenance free battery)			
Typical battery recharging time	6〜8 hours (To 90% of full capacity)			
Typical battery life	3〜5 years, depend on discharging cycle and ambient temperature			
System voltage	36Vdc		72Vdc	
Charging current (Max.)	1.4A			
Battery quantity	6		12	
Capacity	9Ah/12V (7Ah/12V optional)			
PHYSICAL				
Dimension (W×D×H)	440×430×86.5mm		440×710×86.5mm	
Net weight	22.5kg		44kg	
ENVIRONMENT				
Safety	CE			
Operating environment	0℃〜40℃			
Relative humidity	0〜95% (Non condensing)			
Noise level	<40dB at 1 Meter			