

TRUE ONLINE DOUBLE CONVERSION TECHNOLOGY



Model :

ZC-RTIII

1:1 Phase

Rating 1kVA, 2kVA, 3kVA



Rack & Tower Convertible

Advanced protection for:

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

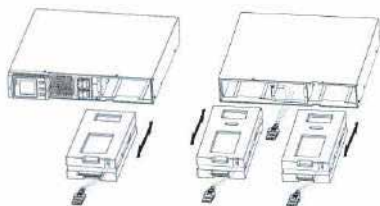
LCD Operation 10.6

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

Features

- 10.18** • Rack/Tower Convertible Design
 - Patented Mimic LCD Display May be Rotated by Manual
- 10.4** • True Online Double Conversion with DSP Control **10.5**
 - 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
- 10.9** • 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
- 10.10** • Cold Start
 - Power Shedding May Turn Off Uncritical Load in Battery Backup
- 10.15** • Emergency Power Off (EPO)
 - Frequency Converter Mode Is Settable

2 YEARS WARRANTY

<http://www.zircon.co.th>





Specifications

	Model	1000VA	1500VA	2000VA	3000VA	10.1
	Capacity (VA/W)	900W	1350W	1800W	2700W	
	Phase	Single phase & Ground				
	Rated Voltage	200/208/220/230/240VAC				
	Voltage Range	110-290V*				10.2
	Frequency Range	50Hz-60Hz (auto-detect)				
Input	Power Factor	>0.98				
	Current THDi	<7% at 100% non-linear load				
	Bypass Voltage Range	Max. voltage: +15% (optional +5%, +10%, +25%)				
		Min. voltage: -45% (optional -20%, -30%)				
	ECO Range	Frequency protection range: +/-10%				
	Generator Input	same as the bypass				
	Phase	Support				
	Phase	Single phase & Ground				
	Rated Voltage	200/208/220/230/240VAC				10.3
	Power Factor	0.9				
	Voltage Regulation	+/-2%				
Output	Frequency - Utility Mode	50Hz or 60Hz (Synchronized to Mains)				
	- Battery Mode	50/60Hz +/-0.02Hz				
	Crest Factor	3:1				
	THD	<3% with linear load <5% with non linear load				
	Waveform	10.13 Pure Sinewave				
Efficiency	AC Mode (full load)	up to 90%				
	Battery Mode (full load)	>88%				
	ECO Mode (full load)	>94%				
	Voltage	24Vdc	36Vdc	48Vdc	72Vdc	
	Capacity (Standard unit)	12V/9Ah				
Battery	10.8 Backup Time	Full load 5 min, 15-30 min (Depend on load), Estimated remaining time display on th LCD				
	10.16 Recharge Time to 90%	4-5 hours				
	Charging Current	1.4A				
	Battery Socket	Anderson like PowerPole Modular connectors				
Transfer Time		Utility to Battery: 0ms, Utility to bypass <4ms				
10.11	Overload - AC Mode	Load <100%-150%; 30S; Load >150%; 300ms then shutdown UPS completely				
	- Batt. Mode	Load <100%-150%; 30S; Load >150%; 300ms then shutdown UPS completely				
	- Bypass Mode	Load > 130%; 60S then shutdown output				
	Short Circuit	Hold Whole System				
Protection	Overheat	Line mode; Switch to Bypass; Battery Mode; shutdown UPS immediately				
	Battery Low	Alarm and Switch off				
	Self-diagnostics	Upon Power On and Software Control				
	EPO	Shutdown UPS immediately				
	Battery	Advanced Battery Management				
	Noise Suppression	Complies with EN62040-2				
Alarm	10.14 Audible & Visual	Line Failure, Battery Low, Overload, System Fault				
Display	10.7 Status LED & LCD	Load/Battery/Input/Output/Operating Mode information				
	Reading on the LCD	Load/Battery/Input/Output/Operating Mode information				
	Dimension(WxHxD) mm	440 x 86.5 x 305	440 x 86.5 x 460	440 x 86.5 x 460	440 x 86.5 x 600	
	Weight (kg)	11.3	18.1	19.1	26.2	
Physical	Input Connection	IEC320 C14-10A	IEC320 C14-10A	IEC320 C14-10A	IEC320 C14-10A	10.15
	Output Connection	Universal x 6	Universal x 6	Universal x 6	Universal x 6	
				IEC320 C19-16A x1	IEC320 C19-16A x1	
	External Battery Connection	Anderson like PowerPole Modular connectors				
Communication	10.17 Smart RS232/USB Port	Support Windows Family, Linux, FreeDSB, etc.				
Interface	Communication Slot	SNMP Card (independent to RS232)				
	RJ45	Built-in Power Surge, Lightning Protection Device				
	Operating Temperature	0C-40C				
	Storage Temperature	-25C-+55C				
Environment	Humidity	0-90% non condensing				
	Altitude	<1500m.(derating while > 1500m)				
	Noise	<50dB(at 1 meter)				
Safety Conformance		CE				