

TRUE ONLINE DOUBLE CONVERSION TECHNOLOGY

ZIRCON™

The Smart Power Solution

Model :

ZC-RT2

1:1 Phase

Rating 1kVA, 2kVA, 3kVA



Advanced protection for:

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

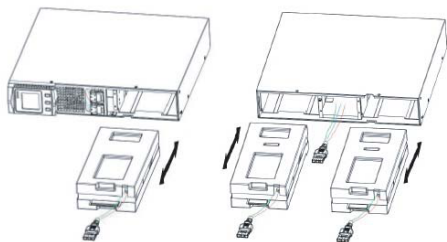
LCD Operation

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

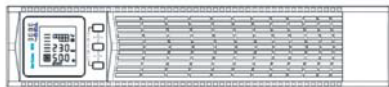
- Rack/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Simply Pushing Front Button
- True Online Double Conversion with DSP Control
- High Output Power Factor at PF.0.9
- Charger/Fan Status on the LCD Display
- Green Concept Design with Superior Input
- Voltage Window for Energy 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

2 YEARS WARRANTY

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



Front Panel



Rear Panel



Specifications

	Model	1000VA	1500VA	2000VA	3000VA
	Capacity (VA/W)	900W	1350W	1800W	2700W
	Phase	Single phase & Ground			
	Rated Voltage	200/208/220/230/240VAC			
	Voltage Range	110-290V*			
	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% 9optional -20%, -30%			
		Frequency protection range: +/-10%			
	ECO Range	same as the bypass			
	Generator Input	Support			
	Phase	Single phase & Ground			
	Rated Voltage	200/208/220/230/240VAC			
	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	Pure Sinewave			
	AC Mode (full load)	up to 90%			
Efficiency	Battery Mode (full load)	>88%			
	ECO Mode (full load)	>94%			
	Voltage	24Vdc	36Vdc	48Vdc	72Vdc
Battery	Capacity (Standard unit)	12V/9Ah			
	Backup Time	Full load 5 min, 15-30 min (Depend on load), Estimated remaining time display on th LCD			
	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			
	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	Audible & Visual	Line Failure, Battery Low, Overload, System Fault			
Display	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 430	440 x 86.5 x 430	440 x 86.5 x 572	440 x 86.5 x 696
	Weight (kg)	15.1	18.1	22.2	25.5
Physical	Input Connection	IEC320 C14-10A	IEC320 C14-10A	IEC320 C14-10A	IEC320 C14-10A
	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 Interface	Smart RS232/USB Port	Support Windows Family, Linux, FreeDSB, etc.			
	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			