

Uninterruptible Power Supply (UPS) RT Design

ZIRCONTM
The Smart Power Solution

model
Pi
prime

Advance Protection

- Server • Network Device
- Workstation • Gaming Com
- Storage devices • PSU80+
- Play Station (PS4/PS5)
- Medical • iMac

FEATURES

- Fully Pure sine wave
- Digital Display
- Output power factor (PF.) 0.8
- DSP digital control Technology
- Boost and buck AVR voltage stablition
- Frequency adaptive
- Adjustable charge current and battery shutdown point.
- Settable no-load shutdown
- Humanized alarm system
- Power On Self Test, Cold start
- Automatic startup when AC recovers
- Intelligent battery management
- Short circuit and overload protection
- Automatic charging at UPS Off mode
- USB & RJ45,AS400/SNMP (optional) communication port



SNMP Card (Optional)

The iSearch product is a PC software designed to facilitate the monitoring of SNMP by managers. This software provides monitoring and management of SNMP cards in LAN.

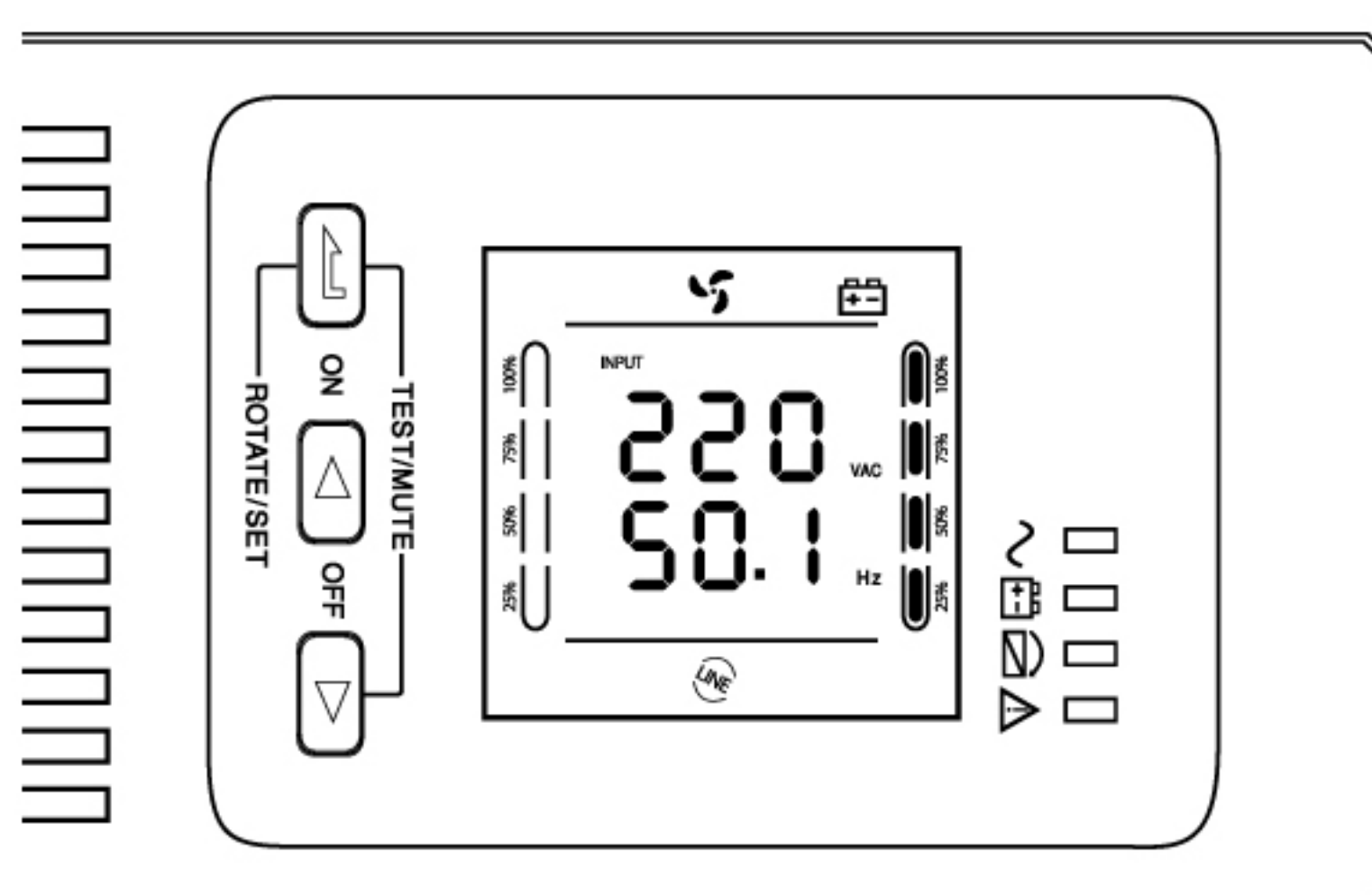


1kVA : 2U

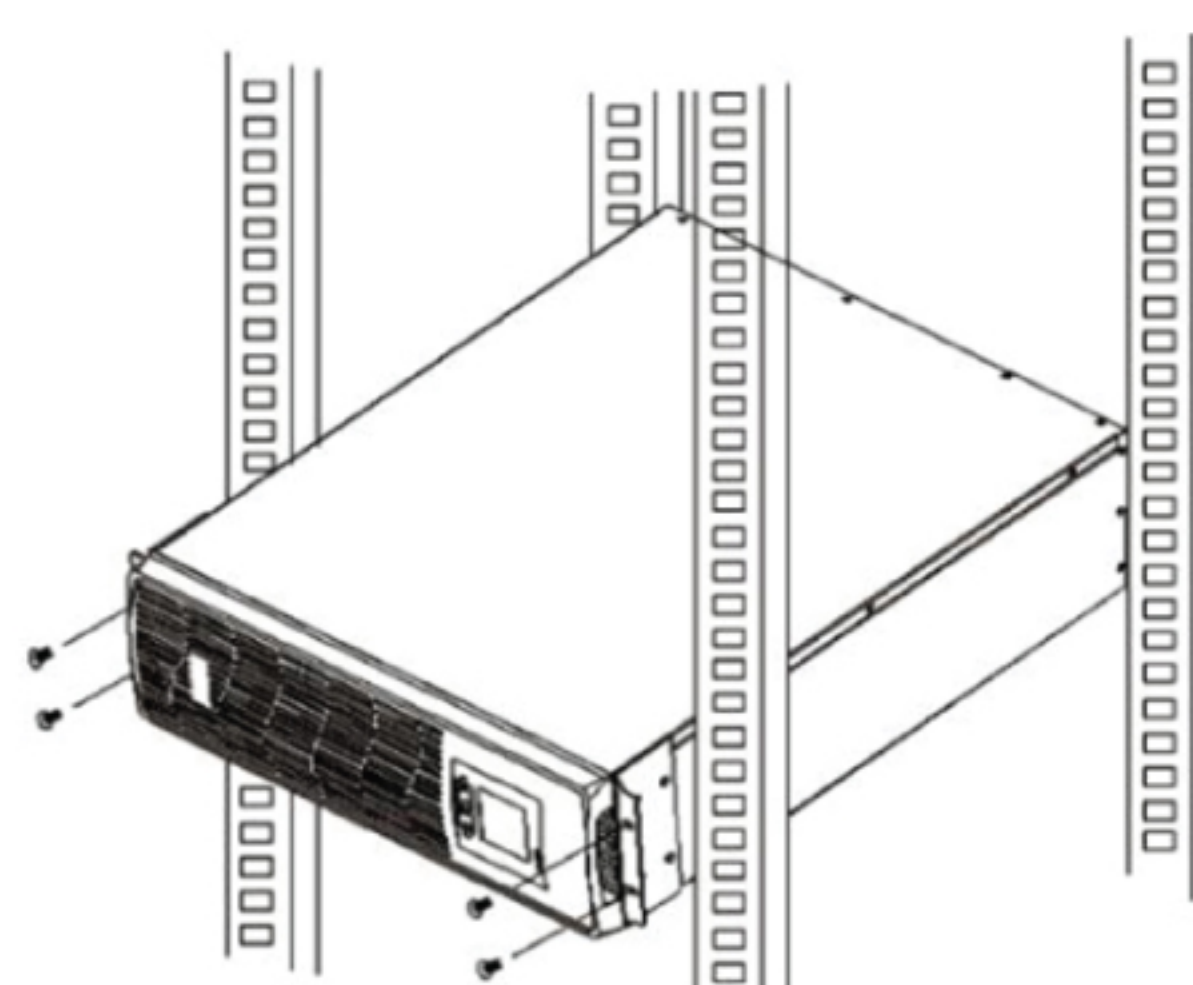
1.5-3kVA : 3U

ZIRCON "PI-PRIME Series"

Power : 1KVA-3KVA UPS provides a sinusoidal output with power factor 0.8. It ensures a high level of protection against mains power disturbances. When the mains power supply fails, it powers sensitive equipment with a perfectly sinusoidal supply for maximum power continuity and reliability. It is the ideal solution for the protection of peripheral network devices, servers, and network backup systems



Intuitive LCD display forease of configuration and management



PI-PRIME Rack Installation
(No RAILKIT)



**ENERGY SAVING
FULLY PURE SINWAVE
RACK & TOWER (RT)**

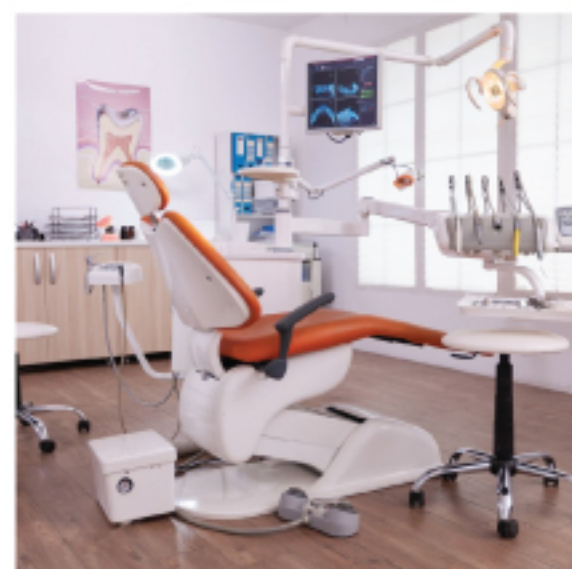
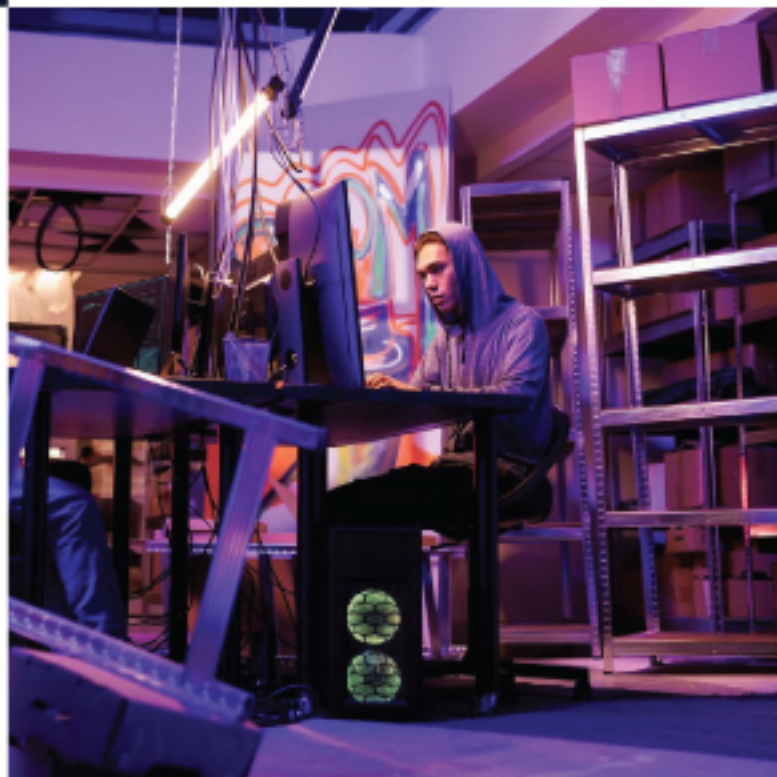
www.zircon.co.th

Advance Protection



*Server
Network Devices*

*Gaming Com /PSU80+
PS4/iMac*



Medical

*Security
system*



Exceptional efficiency, manageability and energy metering capabilities for IT managers

Manageability

The new graphical LCD display provides clear information on the UPS's status and measurements on a single screen. Enhanced configuration capabilities are also available with easy-to-use navigation keys.

the PI-Prime can meter energy Load: Display WATT and VA values of the connected load, depending on load type and load capacity

- Input: Display the input voltage and input frequency
- Output: Display UPS output voltage and output frequency
- Temperature: Display the temperature inside the cabinet
- Battery: Display the battery voltage and battery capacity

Performance and Efficiency

With an optimised electrical design, the PI-prime can provide up to 99% efficiency, reducing cooling and utility costs. With a power factor of 0.8, the PI-prime delivers more real output power. The PI-prime is compatible with all modern IT equipment.

Availability and Flexibility

The PI-prime is available in a rack/tower convertible.

Stronger, longer battery life: ZIRCON battery management technology uses an innovative three-stage charging technique that only recharges the battery when necessary, so the battery experiences less corrosion and service life is prolonged by up to 50%.

PI-PRIME

Professional Rackmount Series

PIPRIME10002U/PIPRIME15003U
PIPRIME20003U/PIPRIME30003U

PF 0.8

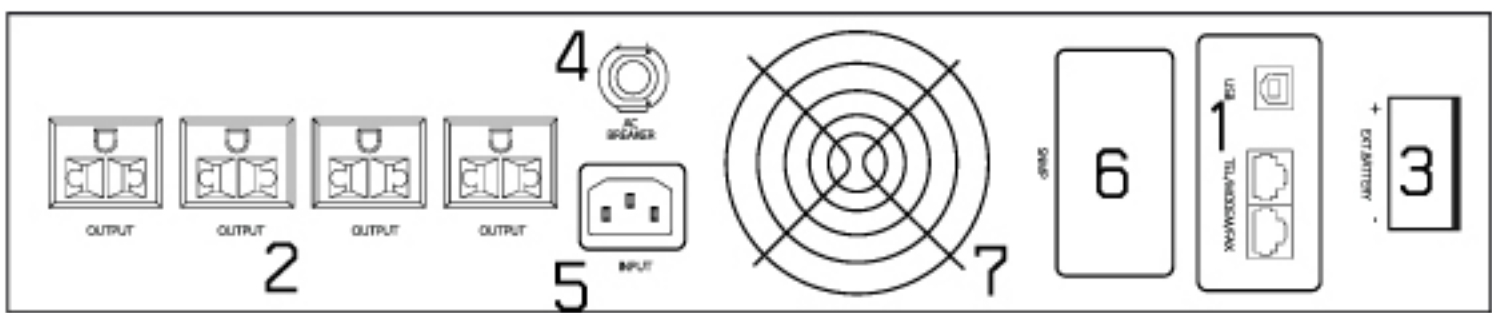
- :: 1000VA/800W
- :: 1500VA/1200W
- :: 2000VA/1600W
- :: 3000VA/2400W



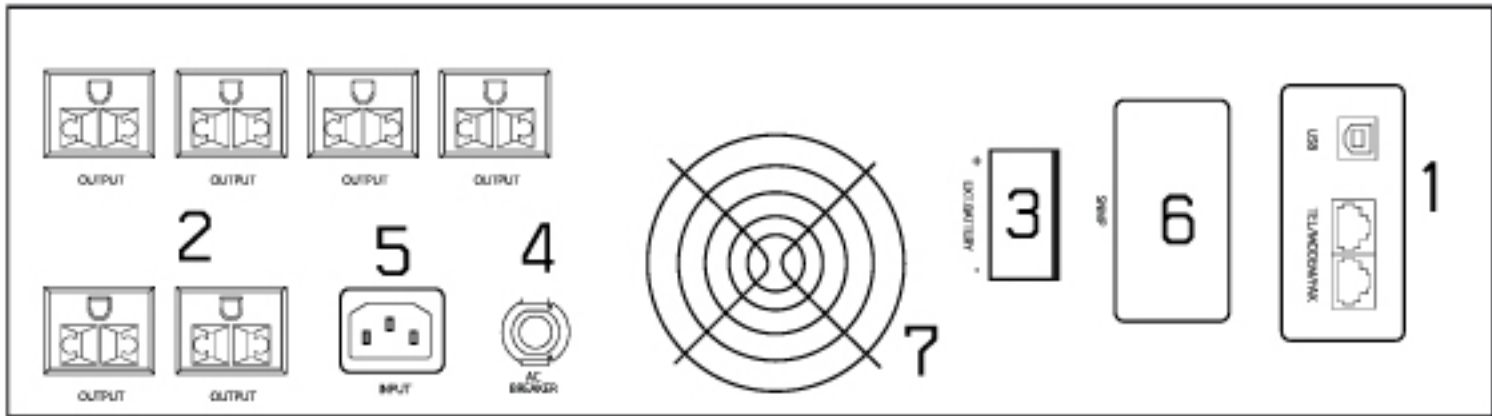
Specifications

MODEL		PI-Prime 500	PI-Prime 1000	PI-Prime 1500	PI-Prime 2000	PI-Prime 3000
Capacity		500 VA / 300 W	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400 W
DC INPUT						
Rated voltage		12 V	24 V		36 V (S) 48 V (H)	48 V
DC input range (default)		10 ~ 15 V	20 ~ 30 V		30 ~ 45 V (S) 40 ~ 60 V (H)	40 ~ 60 V
AC INPUT						
Input Voltage		220 / 230 / 240 Vac +/-25%				
Frequency input range		50 / 60 Hz (auto-sensing), 50 / 60 Hz ± 5% ~ 15%				
Generator connection		Available (generator input power is settable)				
OUTPUT						
Output Voltage (AVR/Battery)		220 / 230 / 240 Vac +/-5% (Settable)				
Output frequency		50Hz / 60Hz +/-0.1% (Settable)				
Waveform		Pure sine wave				
Inverter efficiency		Max. 75%	Max. 80%		Max. 85%	
Energy saving mode		Settable (< 3% load), enter in 80 s				
No-load shutdown		Settable (< 3% load), shut down in 80 s				
Transfer time		typical 2-4 ms.				
THDV (resistive load)		≤ 5%				
Protections		Overload, short circuit (inverter), battery low voltage, battery overcharge, overtemperature				
Overload (mains mode)		110% for 120 s, 125% for 60 s, 150% for 10 s (transfer to bypass mode)				
Overload (inverter mode)		110% for 60 s, 125% for 10 s, 150% for 5 s (shut down directly)				
Mute		Automatic mute in 60 s or by manual				
BATTERIES						
Inbuilt battery (standard model)		/	12 V / 7 Ah x 2	12 V / 9 Ah x 2	12 V / 9 Ah x 3	12 V / 9 Ah x 4
Charging current		Standard model (S): 1 A (default)				
Equalizing charge voltage		Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable				
Floating charge voltage		Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable				
Low voltage alarm point		Single battery 10.8 Vdc (default), 9.6 ~ 13 Vdc adjustable				
Low voltage shutdown point		Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable				
Battery Type		Seal lead acid maintenance free battery				
Battery Back-up		15-30 Mins.(Depend on loads), 5 Mins at fullload				
OTHERS						
Topology		Line Interactive UPS				
Communications		USB & RJ45 (standard), dry contacts / SNMP (optional)				
Operating temperature		5℃ ~ 40℃				
Operating humidity		Relative humidity ≤ 93%				
Noise level		≤ 50 dB (1 m)				
Rack-mount	Dimensions (W × D × H) (mm)	/	440 × 338 × 88 (S)	440 × 410 × 132 (S)		
	Packaged dimensions (W × D × H) (mm)	/	611 × 448 × 208 (S)	611 × 505 × 235 (S)		
	Net weight (kg)	/	14.6 (S)	17.2 (S)	21.3 (S)	26.7 (S)
	Gross weight (kg)	/	16.8 (S)	20.4 (S)	24.5 (S)	30.5 (S)

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.



1kVA



1.5-3kVA

Rear Panel

1. USB port / RJ45
2. Output Universal Outlet
3. EXT. battery [Optional]
4. AC Breaker
5. Input
6. SNMP [Optional]
7. Fan