

TRUE ONLINE DOUBLE CONVERSION TECHNOLOGY

UNI-TEC[®]
Uninterruptible power system

Model :

X4
1:1 Phase

Rating 1kVA, 2kVA, 3kVA



Advanced protection for:

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

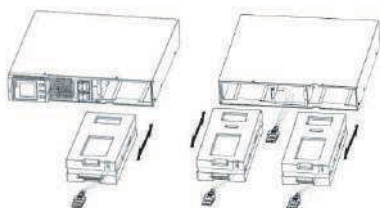
LCD Operation

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

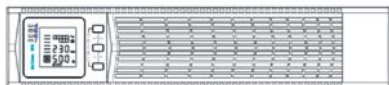
- Rack/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Manual
- True Online Double Conversion with DSP Control
- High Output Power Factor at PF.0.9
- Charger/Fan Status on the LCD Display
- Green Concept Design with Superior Input
- Voltage Window for Energy Saving
- Hot-Swappable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

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 |
| | Capacity (Standard unit) | 12V/9Ah | | | |
| Battery | 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 | | | |
| Protection | Short Circuit | Hold Whole System | | | |
| | 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 | | | |