

Ultimate-X

UKA-series

TRUE ON-LINE DOUBLE CONVERSION UPS

- Full digital microprocessor control
- Wide input voltage range
- UPS startup without battery
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- LED and LCD display
- EMI/RFI noise filter
- Smart RS-232 communication
- SNMP/HTTP capability (option)
- EPO function (option)
- Extend backup time (option)
- UPS monitoring and management software (option)
- Suit for small computer network, servers and other IT equipments

LCD display indication

- Input voltage/frequency
- Output voltage/frequency
- Battery voltage
- Load capacity in Watt, VA and percentage
- Internal temperature
- UPS operation mode: On line, On batt, UPS off, and On bypass



1k VA - 3k VA

Single Phase True On-line Double Conversion UPS





SPECIFICATIONS

| MODEL | | UKA-1000 | UKA-2000 | UKA-3000 |
|-------------------------|---|---|--------------------|------------------|
| CAPACITY | For computer load | 1000 VA / 700 W | 2000 VA / 1400 W | 3000 VA / 2100 W |
| INPUT | Voltage | 220 Vac single phase nominal voltage | | |
| | Voltage range | ± 25% of nominal voltage | | |
| | Frequency | 50 Hz ± 8% (60 Hz ± 8%) auto sensing | | |
| | Power factor | more than 0.97 at full load | | |
| OUTPUT | Voltage range | 220 Vac ± 1% | | |
| | Phase | single phase | | |
| | Frequency | 50 Hz ± 0.2% (60 Hz ± 0.2%) | | |
| | Wave form | pure sine wave | | |
| | Harmonic distortion | < 3% of THD at linear load, < 6% of THD at non-linear load | | |
| | Overload capability | > 110% for 30 sec. turn to bypass mode | | |
| | | > 150% for 300 ms. turn to bypass mode | | |
| | Crest factor ratio | 3 : 1 | | |
| | Short circuit protection | turn off inverter, no transfer to bypass, audible alarm (AC mode) | | |
| | | Turn off inverter, audible alarm (Battery mode) | | |
| Efficiency | ≥ 83% | ≥ 85% | | |
| Protection | overload, over voltage, under voltage, short circuit proof and battery low voltage shutdown | | | |
| TRANSFER TIME | Transfer time between AC mode and Battery mode | Zero time (True on-line UPS) | | |
| PROTECTION | EMI/RFI attenuation | IEC 62040-2 | | |
| | Surge protection | IEC 61000-4-5 | | |
| BATTERY | Type | sealed lead acid (maintenance free) rechargeable | | |
| | Backup time (depending on computer load) | 15 - 30 minutes | | |
| | Extended backup time | option | | |
| | Continuous recharging time | 90% capacity after 6 - 10 hours charging | | |
| INDICATOR | Front panel LED's | Green LED for normal operation Yellow LED for warning condition Red LED for abnormal operation | | |
| | Front panel LCD's | Input voltage / frequency, Battery voltage, Output voltage / frequency, Load in Watt/VA and percent, Inverter temperature, Operation modes such as "on line", "on batt", "UPS off" or "on bypass" | | |
| AUDIBLE ALARM | Buzzer | Mains failure, low battery, overload, UPS fault | | |
| INPUT PLUG | | NEMA 5-15P | | |
| OUTPUT OUTLET | | 4 | 8 | |
| COMMUNICATION INTERFACE | DB-9 connector | RS-232 serial interface port can be connected to PC, workstation or servers with monitoring software ⁽¹⁾ (option) | | |
| | SNMP/HTTP capability | option | | |
| SOFTWARE | UPS monitoring and management software | option | | |
| ACOUSTIC NOISE | | < 45 dBA at 1 metre | | |
| ENVIRONMENT | Temperature | 0 - 40°C | | |
| | Relative humidity | 0 - 95% (non-condensing) | | |
| DIMENSIONS | W x H x D (cm) | 14.4 x 21.5 x 41.9 | 19.1 x 33.9 x 47.8 | |
| WEIGHT | UPS | 14 | 33 | 34 |

⁽¹⁾ UPS monitoring and management software is optional, which is not supplied with the product.

This software capable to work with these OS as below.

- Windows 95 / 98 / Me / 2000 / 2003 / XP
- Novell Netware v3.1x / 4.x / 5.x
- Windows 7
- Free BSD 4.x
- MS DOS
- Linux

Authorized Distributor:

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.