# LEONICS®

## Ultimate-K

## UKA-4K

# 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
- USB communication port
- SNMP/HTTP capability (option)
- Extend backup time (option)
- UPS monitoring and management software
- Suit for small computer network, servers and other IT equipments

LCD display indication
- Input voltage/frequency
- Output voltage/frequency
- Battery voltage/capacity
- Load capacity in Watt and VA
- Internal temperature
- Charger status
- UPS operation mode: AC mode, battery mode, bypass mode, ECO mode and fault mode.



Made in Thailand
MiT6502000450

## Single Phase True On-line Double Conversion UPS

# LEONICS®

## Ultimate-K series : UKA-series True On-Line Double Conversion UPS

### SPECIFICATIONS

| MODEL | | UKA-4K |
|---|---|---|
| CAPACITY | For computer load | 4 kVA / 2.8 kW |
| INPUT | Voltage | 220 Vac single phase nominal voltage |
| | Voltage range | 110 - 290 Vac (depend on load) [1] |
| | Frequency | 50 Hz ± 10%, auto sensing |
| | Power factor | more than 0.99 at full load |
| OUTPUT | Voltage range | 220 Vac ± 1% |
| | Phase | single phase |
| | Frequency | 50 Hz ± 0.1% |
| | Wave form | pure sine wave |
| | Harmonic distortion | < 3% of THD at linear load, < 5% 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 | 89% |
| | 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 | 15 - 30 minutes (depending on computer load) |
| | Extended backup time | option |
| | Continuous recharging time | 90% capacity after 6 - 10  hours charging |
| INDICATOR | LED | Inverter, Battery, Bypass, Warning |
| | LCD display | Input (voltage / frequency), Battery (voltage / capacity), Output (votlage / frequency), Load (Watt / VA), Inverter temperature, Charger status, Fan status, Operation mode |
| AUDIBLE ALARM | Buzzer | Mains failure, low battery, overload, UPS fault |
| CONNECTION | Input | Terminal block (a TIS 166-2549 power cord open end is inculded) |
| | Output | 6 outlets |
| COMMUNICATION | USB port | yes |
| INTERFACE | SNMP/HTTP capability | option |
| SOFTWARE | UPS monitoring and management software [2] | yes |
| ACOUSTIC NOISE | | < 50 dBA at 1 metre |
| ENVIRONMENT | Temperature | 0 - 40ºC |
| | Relative humidity | 0 - 95% (non-condensing) |
| CONFORMANCE | Design regulation | EMC category C2 |
| DIMENSIONS | W x H x D (mm) | 199 x 337 x 466 |
| WEIGHT | Approximate in kg. | 26.9 |

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.
[1] Input voltage range at full load is 160 - 290 Vac
[2] UPS monitoring and management software capable to work with these OS below.
- Windows 98 / Me / 2000 / 2003 / XP / Vista
- Windows 7 / 10
- MS DOS
- Novell Netware v3.1x / 4.x / 5.x
- Free BSD 4.x
- Linux

Authorized Dealer