

## Ultimate-X

### UKA-series

## TRUE ON-LINE DOUBLE CONVERSION UPS

- Fully digitized microprocessor control
- Wide input voltage range
- UPS start up without battery
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed auto control when loads varies
- LED and LCD display
- EMI/RFI noise filter
- Smart RS232 communication
- SNMP/HTTP capability (option)
- Extend backup time (option)
- UPS monitoring and management software (option)

#### LCD display indication

- Input voltage/frequency
- Output voltage/frequency
- Battery voltage
- Load capacity in Watt, VA and percent
- Inverter temperature
- UPS operation mode ("on line", "on batt", "UPS off" and "on bypass")



**6kVA - 10 kVA**

LEONICS UPS with range from 350 VA to 250 kVA is also widely used to protect electronic equipments such as computer networks, PABX, telecommunications, medical and scientific equipment, etc. from blackout, brownout, surge, spike, noise and frequency drift.



## Ultimate-X series : True On-Line Double Conversion UPS

### SPECIFICATIONS

MODEL		UKA-6K	UKA-6K/RM	UKA-10K	UKA-10K/RM
CAPACITY	For computer load	6 kVA / 4.2 kW		10 kVA / 7 kW	
INPUT	Voltage range	220 Vac + 25%-20%			
	Frequency range	50 Hz ± 8% auto sensing			
	Phase	single phase			
	Power factor	≥ 0.98			
OUTPUT	Voltage range	220 Vac ± 1%			
	Phase	single phase			
	Frequency range	50 Hz ± 0.2% (battery mode)			
	Overload capability	130% for 10 min. more than 130% instantaneous bypass			
	Wave form	pure sine wave			
	Harmonic distortion	less than 2% of THD at linear load, less than 6% of THD at non-linear load			
	Crest factor	3 : 1			
	Short circuit protection	5 cycles turn off inverter, no transfer to bypass, provide alarm (AC mode) 5 cycles turn off inverter, provide alarm (Battey mode) input fuse blown or breaker action (Bypass mode)			
	Efficiency	≥ 88%			
	Protection	overload, over voltage, under voltage, short circuit proof and low battery voltage shutdown			
BATTERY	Type	sealed lead acid maintenance free			
	Standard backup time	15 - 30 min. (depend on load)			
	Extend backup time	option			
	Continuous recharging time	90% capacity after 8 hours charging			
TRANSFER TIME	Transfer time between AC mode and Battery mode	zero time (True On-line UPS)			
CONTROL	Automatic bypass	yes			
	Maintenace bypass switch	yes			
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", or "on bypass"			
PROTECTION	EMI/RFI attenuation	IEC 62040-2			
	Surge protection	IEC 61000-4-5			
AUDIBLE ALARM	Buzzer	mains failure, low battery, overload, UPS fault			
OUTPUT OUTLET		terminal			
COMUNICATION INTERFACE	DB-9 connector	RS-232 serial interface port can be connected to PC, workstation or servers with monitoring software (option)			
	SNMP/HTTP capability	option			
ACOUSTIC NOISE	At 1 metre	< 55 dBA			
ENVIRONMENT	Temperature	0 - 40°C			
	Humidity	0 - 95 % (Non-Condensing)			
DIMENSIONS	W x H x D (cm.)	27 x 72 x 57	44 x 17.6 x 65.6	27 x 72 x 57	44 x 17.6 x 65.6
WEIGHT	Approximate in kg.	89	N/A	92	N/A

• UPS monitoring and management software is optional, which is not supplied with the product. This software capable to work with these OS as follow.

- MS Windows 95/98/Me/2000/XP/2003
- MS Windows 7
- MS DOS
- Novell Netware v3.1x/v4.x/v5.x
- Free BSD 4.x
- Linux

Authorized Distributor:

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