

## 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
- Network/fax/modem surge protection
- LED and LCD display
- EMI/RFI noise filter
- Smart RS232 communication
- Suit for small computer network, servers and other IT equipments
- SNMP/HTTP capability (option)
- EPO function(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")



**1k VA - 3k VA**

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.



A5043



ISO 9001



ISO 14001  
EMS 01007045



LEONICS CO.,LTD.  
01007045



ISO 9001  
QMS 01008349



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Q-MARK  
Thailand Industrial Standard



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## Ultimate-X series : 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 V single phase nominal voltage		
	Voltage range	± 25% of nominal voltage		
	Frequency	50 Hz ± 8%(46 - 54 Hz ± 0.5 Hz)		
	Power factor	more than 0.97 at full load		
OUTPUT	Voltage	220 V ± 2%		
	Phase	single phase		
	Frequency	50 Hz ± 0.2%		
	Wave form	Pure sine wave		
	Harmonic distortion	less than 3% of THD at linear load, less than 6% of THD at non-linear load		
	Overload capability	more than 110% for 30 sec. turn to bypass mode, more than 150% for 300 ms. turn to bypass mode		
	Crest factor	3 : 1		
	Short circuit protection	turn off inverter, no transfer to bypass, provide alarm (AC mode) turn off inverter, provide alarm (Battery mode)		
	Efficiency	≥ 83%	≥ 85%	
	Protection	overload, over voltage, under voltage, short circuit proof and low battery voltage shutdown		
	BATTERY	Type	sealed lead acid maintenance free	
Backup time (depend on computer load)		6 - 10 minutes	8 - 15 minutes	9 - 20 minutes
Extend backup time		option		
Continuous recharging time		90% capacity after 6-10 hours charging		
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		
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	
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	< 45 dBA		
ENVIRONMENT	Temperature	0 - 40°C		
	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	Approximate in kg.	14	33	34

• 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

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

Authorized dealer :