

## Ultimate-K

### UKM-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)
- 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 and VA
- 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



438851 OM



ISO 9001



ISO 14001  
EMS 01007046



LEONICS CO.,LTD



ISO 9001  
QMS 01006349



QMS 000



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

### SPECIFICATIONS

MODEL		UKM-1000	UKM-2000	UKM-3000
CAPACITY	For computer load	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT	Voltage	220 Vac single phase nominal voltage		
	Voltage range	-35% to +30% of nominal voltage		
	Frequency	50 Hz ± 8%, 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, < 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	≥ 87%	≥ 88%	
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	Front panel LCD's	Input voltage / frequency, Battery voltage, Output voltage / frequency, Load in Watt/VA, 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		
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)	8.7 x 44.7 x 38	13 x 44.7 x 52	
WEIGHT	Approximate in kg.	14	24.5	30

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

(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: