

## Ultimate-K

### UKM-6K UKM-10K



Tower stand kit



Rack mount bracket



Mounting rail kit

## Single Phase True On-line Double Conversion UPS

- Full digital microprocessor control
- Rack/Tower convertible design for saving space
- N+X parallel redundancy, support maximum 4 units in parallel
- Rack/Tower convertible design for saving space
- Wide input voltage range
- High output power factor (Pf = 0.9)
- Cold start function
- ECO mode operation for energy saving
- Emergency Power Off (EPO) function
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Battery over charge and over discharge protection
- Intelligent fan speed regulation
- Hot swappable battery design
- Extended backup time with battery extension pack (option)
- USB and RS-232 communication port with UPS monitoring and management software (free download)
- SNMP/HTTP capability (option)
- Suit for small computer network or server and other IT equipments



LCD display indication

- Input (voltage / frequency)
- Output (voltage / frequency)
- Battery (voltage / backup time/ capacity / level in %)
- Load (VA / Watt / level in %)
- UPS operation
- Fault code

### UKM-6K / UKM-10K



UPS with Battery Pack



MASCI  
ISO 9001 QMS011098/249  
ISO 14001 EMS01007/045  
ISO 45001 OHSMS20027/105



NSC-TIS TIS 17021  
QMS 002 / EMS 005 /  
OHSMS 001



TIS 1291 Part 1-2553  
TIS 1291 Part 2-2553  
TIS 1291 Part 3-2555  
LEONICS CO., LTD.

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

### SPECIFICATIONS

MODEL		UKM-6K	UKM-10K
CAPACITY	For computer load	6 kVA / 5.4 kW	10 kVA / 9 kW
INPUT	Voltage	220 Vac single phase nominal voltage	
	Voltage range	176 - 253 Vac	
	Frequency	40 - 70 Hz	
	Power factor	≥ 0.99 at full load	
OUTPUT	Voltage range	220 Vac ± 1%	
	Phase	single phase	
	Frequency	50 Hz ± 0.1% Hz	
	Power factor	0.9	
	Wave form	Pure sine wave	
	Total Harmonic distortion	≤ 2% of THD at linear load, ≤ 5% of THD at non-linear load	
	Overload capability	110% - 125% for 10 min. , 125% - 150% for 1 min, ≥ 150% for 200 ms	
	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 (AC mode)	94%	
	Protection	Overload, over voltage, under voltage, short circuit proof and low battery voltage shutdown	
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	
	Capacity	12 V 9 Ah x 20 (external battery)	
	Backup time	10 - 30 minutes (depending on computer load)	
	Extended backup time	option	
	Continuous recharging time	90% capacity after 6-8 hours charging	
INDICATOR	LED	Inverter mode, Battery mode, Bypass mode, Alarm	
	LCD display	Input (voltage / frequency), Output (voltage / frequency), Battery (voltage / backup time / capacity / level in percentage), Load (VA / Watt / level in percentage), Overload, UPS operation, Environment Temperature, Fault code	
AUDIBLE ALARM	Buzzer	Battery mode, low battery, overload, fault	
CONNECTION	Input	Terminals	
	Output	Terminals	
COMMUNICATION	RS-232 port	only DB-9 port, not included RS-232 cable	
INTERFACE	USB port	an USB port with USB cable	
	SNMP/HTTP capability	option	
SOFTWARE	UPS monitoring and management software <sup>(1)</sup>	yes	
ACOUSTIC NOISE	At 1 metre	< 55 dBA	< 58 dBA
ENVIRONMENT	Temperature	0 - 40°C	
	Relative humidity	0 - 95% (non-condensing)	
DIMENSIONS	UPS	44 x 8.65 x 62.5 cm (2U)	
	Battery pack	44 x 13.1 x 68 cm (3U)	
WEIGHT	UPS	15.9 kg	17.2 kg
	(approximate in kg) Battery pack	68.4 kg	68.4 kg

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

<sup>(1)</sup> IUPS monitoring and management software capable to work with these OS below.

- Windows 98 / Me / 2000 / 2003 / XP / Vista
- Novell Netware v3.1x / 4.x / 5.x
- Windows 7 / 10
- Free BSD 4.x
- MS DOS
- Linux

Authorized Distributor: