

## Ultimate-K

**UKT-1K**  
**UKT-2K**  
**UKT-6K**  
**UKT-10K**

## TRUE ON-LINE DOUBLE CONVERSION UPS

- High output power factor (PF = 0.9)
- 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
- Manual maintenance bypass switch (for UKT-6K and UKT-10K)
- N+X parallel redundant configuration upto 4 units (for UKT-6K and UKT-10K) (option)
- 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
- 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  
MIT6501000026

**UKT-1K**



Made in Thailand  
MIT65010000861

**UKT-2K**



Made in Thailand  
MIT65050000006

**UKT-6K**



Made in Thailand  
MIT65050000007

**UKT-10K**



MASCI  
ISO 9001 QMS/01098/049  
ISO 14001 EMS/1007/045  
ISO 45001 OHSMS/2020/1105



NSC-TIS-ITIS 17021  
QMS/007 EMS/1007/  
OHSMS 001



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

Single Phase True On-line Double Conversion UPS

### SPECIFICATIONS

MODEL		UKT-1K	UKT-2K	UKT-6K	UKT-10K	
CAPACITY	For computer load	1 kVA / 900 W	2 kVA / 1800 W	6 kVA / 5.4 kW	10 kVA / 9 kW	
INPUT	Voltage	220 Vac single phase nominal voltage				
	Voltage range	110 - 290 Vac (depend on load) <sup>(1)</sup>		120 - 276 Vac (depend on load)		
	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			125% - 150% for last 1 min	
		> 150% for 300 ms. turn to bypass mode			> 150% for 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	88%	89%	90%		
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)				
MANUAL CONTROL	Maintenance bypass switch	no		yes		
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		90% capacity after 6 - 8 hours charging		
INDICATOR	LED	Inverter, Battery, Bypass, Warning				
	LCD display	Input (voltage / frequency), Battery (voltage / capacity), Output (voltage / frequency), Load (Watt / VA), Inverter temperature, Charger status, Fan status, Operation mode		Input (voltage / frequency), Battery (voltage / current), Output (voltage / frequency), Load (Watt / VA), Temperature, Alarm, Bus voltage, Charger status, Operation mode		
AUDIBLE ALARM	Buzzer	Mains failure, low battery, overload, UPS fault				
CONNECTION	Input	IEC 320 C14 to TIS 166-2549 power cord		Terminal blocks		
	Output	3 outlets	6 outlets / Terminal block	Terminal blocks		
COMMUNICATION	USB port	yes				
INTERFACE	SNMP/HTTP capability	option				
SOFTWARE	UPS monitoring and management software <sup>(2)</sup>	yes				
ACOUSTIC NOISE		< 50 dBA at 1 metre		< 55 dBA at 1 metre		
ENVIRONMENT	Temperature	0 - 40°C				
	Relative humidity	0 - 95% (non-condensing)				
CONFORMANCE	Design regulation	EMC category C2		EMC category C3		
DIMENSIONS	W x H x D (mm)	144 x 215 x 409	199 x 337 x 466	250 x 655 x 590		
WEIGHT	Approximate in kg.	13.5	26.7	84	89.2	

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

<sup>(1)</sup> Input voltage range at full load is 160 - 290 Vac

<sup>(2)</sup> UPS 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

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