

Ultimate-K

UKT-3K

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
- 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.



Ultimate-K series : UKT-3K True On-Line Double Conversion UPS

SPECIFICATIONS

MODEL		UKT-3K
CAPACITY	For computer load	3 kVA / 2.7 kW
INPUT	Voltage	220 Vac single phase nominal voltage
	Voltage range	110 - 290 Vac (depend on load) ⁽¹⁾
	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
	Total harmonic distortion	≤ 3% at full linear load, ≤ 5% 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	90%
	Protection	Overload, over voltage, under voltage, short circuit proof and battery low voltage shutdown
TRANSFER TIME		Zero time (between AC mode and Battery mode)
PROTECTION	EMI/RFI attenuation	IEC 62040-2
	Surge protection	IEC 61000-4-5
BATTERY	Type	sealed lead acid (maintenance free) rechargeable
	Capacity	12V 9Ah x 6
	Backup time	15 - 30 minutes (depending on computer load), 5 minutes at 2100 W load
	Extended backup time	option
	Continuous recharging time	90% capacity after 6 - 10 hours charging
INDICATOR	LED	Inverter, Battery, Bypass, Fault
	LCD display	Input (voltage / frequency), Battery (voltage / capacity), Output (voltage / frequency), Load (Watt / VA), Inverter temperature, Remaining backup time (battery level), Charger status, Fan status, Operation mode
AUDIBLE ALARM	Buzzer	Mains failure, low battery, overload, UPS fault
CONNECTION	Input	IEC 320 C14 to TIS 166-2549 power cord
	Output	4 Outlets
COMMUNICATION	USB port	yes
INTERFACE	SNMP/HTTP capability	option
SOFTWARE	UPS monitoring and management software ⁽²⁾	yes
ACOUSTIC NOISE	At 1 metre	< 50 dBA
ENVIRONMENT	Temperature	0 - 40°C
	Relative humidity	0 - 95% (non-condensing)
CONFORMANCE	Design regulation	EMC category C2
DIMENSIONS	W x H x D (mm)	191 x 337 x 460 mm
WEIGHT	Approximate in kg.	24.5 kg

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

⁽¹⁾ Input voltage range at full load is 160 - 290 Vac

⁽²⁾ 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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