

Ultimate-K

UKT-1K
UKT-2K
UKT-3K
UKT-6K
UKT-10K

TRUE ON-LINE DOUBLE CONVERSION UPS

- High input power factor ($PF \geq 0.99$)
- 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
- USB communication port
- Emergency Power Off (EPO) function
- 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



UKT-1K



UKT-2K



UKT-6K



UKT-10K

UKT-1K

UKT-2K

UKT-3K

UKT-6K / UKT-10K



Single Phase True On-line Double Conversion UPS

SPECIFICATIONS

MODEL		UKT-1K	UKT-2K	UKT-3K	UKT-6K	UKT-10K
CAPACITY	For computer load	1 kVA / 900 W	2 kVA / 1.8 W	3 kVA / 2.7 kW	6 kVA / 5.4 kW (6 kW option)	10 kVA / 9 kW (10 kW option)
INPUT	Voltage	220 Vac single phase nominal voltage				
	Voltage range	110 - 290 Vac (depend on load) ⁽¹⁾		110 - 300 Vac (depend on load) ⁽²⁾	110 - 300 Vac (depend on load) ⁽³⁾	
	Frequency	50 Hz ± 10% (auto sensing)		40 - 70 Hz		
	Power factor	≥ 0.99				
OUTPUT	Voltage range	220 Vac ± 1%				
	Phase	single phase				
	Frequency	50 Hz ± 0.1%				
	Wave form	pure sine wave				
	Harmonic distortion (THDv)	≤ 3% at linear load, ≤ 5% at non-linear load			≤1% at linear load, ≤3% at non-linear load	
	Crest factor ratio	3 : 1				
	Efficiency	88%	89%	91%	95%	95.5%
	Protection	overload, over voltage, under voltage, short circuit proof and battery low voltage shutdown				
TRANSFER TIME	AC mode and Battery mode	Zero time (True on-line UPS)				
MANUAL CONTROL	Maintenance bypass switch	no			yes	
BATTERY	Type	sealed lead acid (maintenance free) (VRLA) rechargeable				
	Capacity	12V 9Ah x 3	12V 9Ah x 6		12V 9Ah x 20	
	Backup time	15 - 30 minutes (depending on computer load)				
	Extended backup time	option				
	Continuous recharging time	90% capacity after 6-10 hr. charging		90% capacity after 6 - 8 hours charging		
INDICATOR	LED	Inverter, Battery, Bypass, Warning				
	LCD display	Input (voltage / frequency), Output (voltage / frequency), Battery (voltage / capacity), Load (Watt / VA), Inverter temp., Charger status, Fan status, Operation mode		Input (voltage / frequency), Output (voltage / frequency), Battery (voltage / current), Load (Watt / VA / %), (Battery (voltage / %) only in UKT-3K), Ambient temperature (Radiator Temperature and Bus voltage only in UKT-6K and UKT-10K)		
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 and Terminal blocks		Terminal blocks	
COMMUNICATION INTERFACE	RS-232 port	no		yes		
	RS-485 port	no		yes		
	USB port	yes				
	Parallel port	no			yes	
	SNMP/HTTP capability	option				
SOFTWARE	UPS monitoring and management software ⁽⁴⁾	yes				
ACOUSTIC NOISE	At 1 metre	< 50 dBA			< 45 dBA	< 50 dBA
STANDARD	Safety	IEC/EN 62040-1, IEC/EN 62477-1				
	EMC	IEC/EN62040-2 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8)				
	Performance	IEC/EN 62040-3				
ENVIRONMENT	Operating temperature	0 - 40°C				
	Relative humidity	0 - 95% (non-condensing)				
	Altitude	< 1000 m, 1000 ~ 3000 m derating				
DIMENSIONS	W x H x D (mm)	144 x 215 x 409	199 x 337 x 460	191 x 337 x 460	191 x 720 x 460	
WEIGHT	Approximate in kg.	13.5	26.7	24.5	69.5	71.0

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

Input voltage range at full load are ⁽¹⁾160 - 290 Vac, ⁽²⁾176 - 280 Vac, ⁽³⁾176 - 300 Vac
⁽⁴⁾ 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 / 11
- Free BSD 4.x
- MS DOS
- Linux

Authorized Dealer