

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.



Single Phase True On-line Double Conversion UPS

Ultimate-K series : UKT-series 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) ⁽¹⁾		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 bypaass 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	NEMA 5-15P		Terminal blocks	
	Output	3 outlets	6 outlets	Terminal blocks	
COMMUNICATION	USB port	yes			
INTERFACE	SNMP/HTTP capability	option			
SOFTWARE	UPS monitoring and management software ⁽²⁾	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 616 x 502	
WEIGHT	Approximate in kg.	13.5	26.7	74	75

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

Authorized Dealer



บริษัท แสง (ประเทศไทย) จำกัด
568/4 ถนนพหลโยธิน 112 ซอยถนนพหลโยธิน 112 แขวงจตุจักร เขตจตุจักร กรุงเทพมหานคร 10310
โทรศัพท์ : 02-026 3384 ต่อ 114
www.saeng.co.th