

Ultimate-K

UKT-40K UKT-60K UKT-80K UKT-100K UKT-200K

TRUE ON-LINE DOUBLE CONVERSION UPS

- Transformerless True On-line UPS
- High input power factor (PF ≥ 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
- Support USB communication port
- EMI/RFI noise filter
- ECO mode operation
- Emergency Power Off (EPO) function
- · Manual maintenance bypass switch
- N+X parallel redundant configuration upto 4 units (for UKT-40) and upto 6 units (for UKT-60 to UKT-200)
- SNMP/HTTP capability (option)
- UPS monitoring and management software
- Suit for small computer network, servers and other IT equipments

















Ultimate-K series: UKT-series Three Phase Input / Output True On-line UPS

SPECIFICATIONS

MODEL		UKT-40	UKT-60	UKT-80	UKT-100	UKT-200	
CAPACITY	For computer load	40 kVA / 36 kW	60 kVA / 54 kW	80 kVA / 72 kW	100 kVA / 90 kW	200 kVA / 180 kW	
INPUT	Voltage		380 / 400 / 415 Vac (3 phase + N + PE)				
	Voltage range	208 - 478 Vac 138 - 485 Vac (depend on load) ⁽²⁾					
		(depend on load)(1)	nd on load)(1)				
	Frequency	50 / 60 Hz ± 10% (auto sensing)					
	Power factor	≥ 0.99					
OUTPUT	Voltage range	380 / 400 / 415 Vac (3 phase + N + PE)					
	Voltage regulation	± 1%					
	Phase	Three phase Four Wires					
	Frequency	50 Hz ± 0.1% 50 Hz ± 0.2%					
	Power factor	0.9 (1.0 is optional)					
	Wave form	pure sine wave					
	Harmonic distortion (THDv)	≤ 2% at linear load, ≤ 2% at linear load, ≤ 4% at non-linear load					
		≤ 5% at non-linear load					
	Overload capability	≤ 110% for 60 min, ≤125% for 10 min, ≤150% for 1 min, ≤110% for 60 min					
		125% for 1.2 s shutdown inver				≤125% for 1 min,	
						125% for 1.2 sec	
						shutdown inverter	
		and turn to bypass					
	Crest factor ratio	3:1					
	Efficiency	95.2% 95.5%					
	Protection	overload, over temperature, short circuit, fan fault alarm, and low battery voltage					
TRANSFER TIME	AC mode and Battery mode	· · · · · · · · · · · · · · · · · · ·					
MANUAL CONTROL	Maintenance bypass switch	·					
BATTERY	Туре	sealed lead acid (maintenance free) (VRLA) rechargeable					
	Capacity	(9Ah x 30 pcs) x 2					
	Configuration	Internal battery External battery pack					
INDICATOR	LED	Inverter, Battery, Bypass, Fault					
	LCD display	Input, Output, Battery, Load, Operation status, Alarm, Setting, Date&Time, Event and Fau					
AUDIBLE ALARM	Buzzer	overload, Mains failure, UPS fault, low battery, etc.					
CONNECTION	Input and output	Terminal blocks					
COMMUNICATION	USB port	yes					
SOFTWARE	RS-232 port	yes					
	RS-485 port	yes					
	Parallel port	yes					
	SNMP/HTTP capability	option					
	UPS monitoring and	yes					
ACQUETIC NOISE	management software (3)	< 64 dBA	4 CO dD A	. 60	dD A	< 66 dBA	
STANDARD	At 1 metre	< 64 dBA < 60 dBA < 62 dBA < 66 dBA IEC/EN 62040-1, IEC/EN 62477-1					
	Safety	•					
ENVIRONMENT	Operating temperature	IEC/EN62040-2 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8)					
	Operating temperature	0 - 40°C					
	Relative humidity Altitude	0 - 95% (non-condensing)					
DIMENSIONS		< 1500 m, derating when >1500 m 250 x 868 x 900					
DIMENSIONS	W x H x D (mm)						
WEIGHT	Approximate in kg.	244.5	83	154	161	232	

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice. (3) UPS monitoring and management software capable to work with these OS below.

• Windows 98 / Me / 2000 / 2003 / XP / Vista

• Windows 7 / 10 / 11

• Free BSD 4.x

MS DOS

Linux

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