

UKT-series



True On-line Double Conversion UPS

3:3 Phase Configuration

- Transformerless True On-line UPS
- High reliability design
- High input power factor, up to 0.99
- N+x parallel redundancy up to 4 units (for UKT-40) and up to 6 units (for UKT-60 to UKT-100)
- ECO mode operation
- 3-phase UPS allow 100% unbalance load
- Suitable for both inductive and capacitive loads (UKT-60 to UKT-100)
- Provides the LBS synchronization function (UKT-60 to UKT-100)
- LED indicator and large LCD display
- Generator compatible
- Product from ISO 9001 and ISO 14001 certified factory



MODEL		UKT-40	UKT-60	UKT-80	UKT-100
CAPACITY		40 kVA	60kVA	80 kVA	100 kVA
INPUT	Voltage	380 / 400 / 415 Vac (3Ph+N+PE)			
	Voltage range	208~478 Vac (50% load), 305~478 Vac (full load)	138 ~ 305 Vac (40% load), 305 ~ 485 Vac (full load)		
	Frequency	50/60 Hz ± 10% (auto sensing)			
OUTPUT	Voltage	380 / 400 / 415 Vac (3Ph+N+PE)			
	Voltage regulation	± 1%			
	Frequency	50 Hz ± 0.1% Hz	50 Hz ± 0.2% Hz		
	Power factor	0.9 (1.0 is optional)			
	Wave form	pure sine wave			
	Total harmonic distortion (THDv)	≤2% at linear load, ≤5% at non-linear load	≤ 2% at linear load, ≤ 4% at non-linear load		
	Overload Inverter mode	≤ 110% for 60 min, ≤125% for 10 min, ≤150% for 1 min, >150% shutdown inverter and turn to bypass			
	Crest factor ratio	3:1			
	Efficiency	95.2%	95.5%		
	Protection	Overload, short circuit, over heat, low battery voltage and fan fault alarm			
TRANSFER TIME		Zero time (True on-line UPS)			
BATTERY	Type	Sealed lead acid (VRLA) (maintenance free) rechargeable			
	Voltage	2 x (9Ah x 30 pcs)	360 ~ 600 Vdc		
	Configuration	Internal battery	External battery pack		
INDICATOR	LED	Inverter, Battery, Bypass, Alarm			
	LCD display	Input, Output, Bypass, Battery, Load, System status, Setting, Record			
ALARM		Overload, utility abnormal, UPS fault, low battery, etc.			
COMMUNICATION	RS-232 and RS-485 port	yes			
INTERFACE	USB port	yes			
	Parallel port	yes			
	SNMP/HTTP capability	option			
SOFTWARE	UPS monitoring and management software	option			
ACOUSTIC NOISE	At 1 metre	< 64 dBA	< 60 dBA	< 62 dBA	
STANDARD	Safety	IEC/EN 62040-1, IEC/EN 62477-1			
	EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)			
ENVIRONMENT	Temperature	0 ~ 40°C			
	Relative humidity	0 ~ 95% (non-condensing)			
DIMENSIONS	W x H x D (cm)	25 x 86.8 x 90 cm	25 x 86.8 x 82.8 cm	44.2 x 120 x 85 cm	
WEIGHT	Approx. in kg.	239 kg	144 kg	147 kg	152 kg

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

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M.MEX.BRO.UPS.1756 Rev.2.10/2025