

# UKT-series



## True On-line Double Conversion UPS

### 3:3 Phase Configuration

- Transformerless True On-line UPS
- High reliability design
- Output power factor is 1.0
- 3-level inverter topology
- High reliability design
- N+x parallel redundancy up to 6 units
- Support sharing batteries for UPS in parallel
- 3-phase UPS allow 100% unbalance load
- Suitable for both inductive and capacitive loads
- Provides the LBS synchronization function
- LED indicator and large LCD display
- Generator compatible
- Product from ISO 9001 and ISO 14001 certified factory



MODEL		UKT-50	UKT-60	UKT-80	UKT-100	UKT-120	UKT-150	UKT-160	UKT-180	UKT-200
CAPACITY		50 kVA	60kVA	80 kVA	100 kVA	120 kVA	150 kVA	160 kVA	180 kVA	200 kVA
INPUT	Voltage	380 / 400 / 415 Vac (3Ph+N+PE)								
	Voltage range	138 ~ 305 Vac for 40% load or 305 ~ 485 Vac for full load								
	Frequency	50/60 Hz ± 10% (auto sensing)								
OUTPUT	Voltage	380 / 400 / 415 Vac (3Ph+N+PE)								
	Voltage regulation	± 1%								
	Frequency	50 Hz ± 0.2% Hz								
	Power factor	1.0								
	Wave form	pure sine wave								
	Total harmonic distortion	≤ 2% of THDv at linear load, ≤ 4% of THDv at non-linear load								
	Overload Inverter mode	≤ 110% for 60 min, ≤125% for 10 min, ≤150% for 1 min >150% shutdown inverter								
	Bypass mode	30°C ,135% for long term, 40°C, 125% for long term, >1000% for 100 ms								
	Crest factor ratio	3:1								
	Efficiency	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	360 ~ 600 Vdc								
	Configuration	External battery pack								
INDICATOR	LED	Inverter, Battery, Bypass, Warning								
	Touchscreen LCD display	Input, Output, Battery, System status, Run Info, Setting, Maintenance, Function								
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	< 55 dBA	< 58 dBA	< 60 dBA	< 62 dBA	< 63 dBA	< 64 dBA	< 66 dBA	< 66 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 82.8 cm				44.2 x 120 x 85 cm				
WEIGHT	Approx. in kg.	80 kg	83 kg	144 kg	147 kg	152 kg	190 kg	200 kg	220 kg	230 kg

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

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