

UKT-series



True On-line Double Conversion UPS

3:3 Phase Configuration

- True on-line double conversion with DSP control
- High power density design
- N+x parallel redundancy up to 4 units
- 50/60 Hz frequency converter mode
- 3-phase UPS allow 100% unbalance load
- Self-testing when UPS startup
- ECO mode operation for energy saving
- Intelligent battery management
- Flexible battery configuration
- Intelligent fan speed regulation
- LED indicator and LCD display
- Generator compatible
- Product from ISO 9001 and ISO 14001 certified factory

Applications

- Internet service provider
- Computer data center
- Industrial automation
- Bank or security system
- Telecommunication system
- Transportation system
- Mission-critical equipments



MODEL		UKT-10	UKT-15	UKT-20	UKT-30	UKT-40
CAPACITY		10 kVA / 10kW	15kVA / 15kW	20 kVA / 20kW	30 kVA / 30kW	40 kVA / 40kW
INPUT	Voltage	380 / 400 / 415 Vac (3Ph+N+PE)				
	Voltage range	208 ~ 478 Vac for 50% load or 305 ~ 478 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 ± 0.1% Hz				
	Power factor	1.0				
	Wave form	pure sine wave				
	Total harmonic distortion	≤ 2% of THDv at linear load, ≤ 5% of THDv at non-linear load				
	Overload capability	AC mode: ≤ 110% for 60 min, ≤125% for 10 min, >150% immediately turn to bypass Battery mode: ≤ 110% for 10 min, ≤125% for 1 min, >150% immediately shutdown				
	Crest factor ratio	3:1				
	Efficiency	93.5%			94.5%	
	Protection	Overload, short circuit, over heat, battery over charge / discharge, low battery voltage and fan fault alarm				
TRANSFER TIME		Zero time (True on-line UPS)				
BATTERY	Type	Sealed lead acid (VRLA) (maintenance free) rechargeable				
	Capacity	9Ah x 20 pcs	2 x (9Ah x 20 pcs)		3 x (9Ah x 20 pcs)	2 x (9Ah x 30 pcs)
	Backup time	15 - 30 minutes (depending on load)				
	Extended backup time	option				
INDICATOR	LED	Inverter, Battery, Bypass, Warning				
	LCD display	Input (voltage/frequency), Output (voltage/frequency), Battery (voltage/current), Load (Watt/VA), Temperature, Alarm, Bus voltage, Charger status, Operation mode				
AUDIBLE ALARM	Buzzer			yes		
COMMUNICATION INTERFACE	RS-232 and RS-485 port			yes		
	USB port			yes		
	Parallel port			option		
	SNMP/HTTP capability			option		
SOFTWARE	UPS monitoring and management software			option		
ACOUSTIC NOISE	At 1 metre	< 55 dBA		< 58 dBA	< 61 dBA	< 64 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, IEC 61000-2-2)				
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				
WEIGHT	Approx. in kg.	129 kg	186 kg	187 kg	236 kg	239 kg

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

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