UKT-series

True On-line Double Conversion UPS

3:1 and 1:1 Phase Configuration

- True on-line double conversion with DSP control
- N+x parallel redundancy up to 4 units
- Wide input range (208 ~ 478 Vac)
- 50/60 Hz frequency converter mode
- Support 3/1 and 1/1 operation
- Self-testing when UPS startup
- ECO mode operation for energy saving
- Cold start function
- Intelligent fan speed regulation
- LED indicator and large 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
CAPACITY		10 kVA / 9kW (10 kVA / 10kW optional)
INPUT	Voltage	380 / 400 / 415 Vac (3Ph+N+PE) or 220 / 230 / 240 Vac (L+N+PE)
	Voltage range	208 ~ 478 Vac (L-L) or 120 ~ 276 Vac (L-N)
	Frequency	50/60 Hz ± 10% (auto sensing)
OUTPUT	Voltage	220 / 230 / 240 Vac (L+N+PE)
	Voltage regulation	± 1%
	Frequency	50 Hz ± 0.1%
	Power factor	0.9 (1.0 is optional)
	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% for 1min. turn to bypass. ≥150% turn to bypass immediately Battery mode: ≤ 110% for 10 min, ≤125% for 1 min, ≤ 150% for 5s, >150% shutdown immediately
	Crest factor ratio	3:1
	Efficiency	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, (9Ah x 20 pcs) x 2 is optional
	Backup time	15 - 30 minutes (depending on load)
	Extended backup time	option
INDICATOR	LED	Inverter, Battery, Bypass, Alarm
	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	RS-232 and RS-485 port	yes
INTERFACE	USB port	yes
	Parallel port	option
	SNMP/HTTP capability	option
SOFTWARE	UPS monitoring and management software	option
ACOUSTIC NOISE	At 1 metre	< 58 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.	180 kg

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

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