

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	UKT-15	UKT-20	
CAPACITY	10 kVA / 10kW	15 kVA / 15kW	20 kVA / 20kW	
INPUT	Voltage 380 / 400 / 415 Vac (3Ph+N+PE) or 220 / 230 / 240 Vac (L+N+PE)			
	Voltage range 208 ~ 478 Vac or 120 ~ 276 Vac			
	Frequency 50/60 Hz \pm 10% (auto sensing)			
OUTPUT	Voltage 220 / 230 / 240 Vac (L+N+PE)			
	Voltage regulation \pm 1%			
	Frequency 50 Hz \pm 0.1% Hz			
	Power factor 1.0			
	Wave form Pure sine wave			
	Total harmonic distortion \leq 2% of THDv at linear load, \leq 5% of THDv at non-linear load			
	Overload capability AC mode: \leq 110% for 60 min, \leq 125% for 10 min, \leq 150% for 1min. turn to bypass. \geq 150% turn to bypass immediately Battery mode: \leq 110% for 10 min, \leq 125% for 1 min, \leq 150% for 5s, $>$ 150% shutdown immediately			
	Bypass circuit breaker	2 x 32A	2 x 50A	2 x 63A
	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)	
	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	
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.	125 kg	180 kg	181 kg

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

LEO POWER SUPPLY CO.,LTD.

27, 4th Floor, Soi Bangna-Trad Rd 34, Bangna Tai, Bangna, Bangkok 10260 THAILAND
Tel. 0-2746-9500 e-mail : marketing@lpsups.com

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