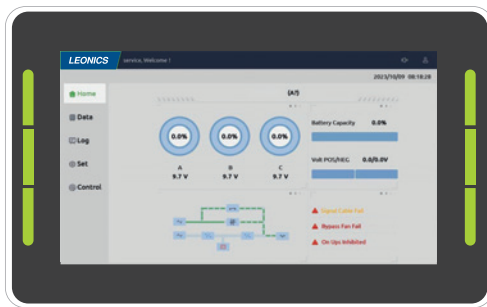


Ultimate-K

UKT-1033
UKT-2033
UKT-3033
UKT-4033



7-inch touchscreen LCD display

- Transformerless True on-line UPS
- High input power factor (PF > 0.99)
- Full digital microprocessor control
- Wide input voltage range
- High efficiency
- UPS startup without battery
- Cold start function
- Intelligent digital battery management to extend battery service life
- Fan self-testing and automatic fan failure detection
- Automatic fan speed adjustment
- Lightning and surge protection
- Short circuit and overload protection
- EMI/RFI noise filtering
- LED indicators and 7-inch touchscreen LCD display
- USB, RS-232, RS-485, Ethernet and dry contact communication interfaces
- Remote Emergency Power Off (EPO) function
- Parallel operation up to 4 units (optional)
- SNMP/HTTP capability (optional)
- Extended backup time (optional)

Applications

- Transportation systems
- Broadcasting systems
- Financial and banking systems
- Government systems
- Medical equipments
- Computer networks, servers, and other IT equipments



UKT-1033

UKT-2033

UKT-3033

UKT-4033



MASC
 ISO 9001 QMS01098/349
 ISO 14001 EMS01007/045
 ISO 45001 OHSMS20027/105



NSC
 TIS 1291 Part 1-2553
 TIS 1291 Part 2-2553
 TIS 1291 Part 3-2555
 LEONICS CO., LTD.



TIS 1291 Part 1-2553
 TIS 1291 Part 2-2553
 TIS 1291 Part 3-2555
 LEONICS CO., LTD.

Three Phase In / Out True On-line Double Conversion UPS

MODEL		UKT-1033	UKT-2033	UKT-3033	UKT-4033
CAPACITY	For computer load	10 kVA / 10 kW	20 kVA / 20 kW	30 kVA / 30 kW	39 kVA / 39 kW
INPUT	Voltage	380 / 480 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N)			
	Voltage range	304 - 478 Vac (L-L) at full load, 228 - 304 Vac (L-L) power derate from 100% to 50%			
	Frequency	50 / 60 Hz ± 10 Hz			
	Power factor	> 0.99			
	Total harmonic distortion (THDi)	< 2% at full linear load			
OUTPUT	Voltage range	380 / 480 / 415 Vac (L-L), 220 / 230 / 240 Vac (L-N) ± 1%			
	Phase	Three phase five wires			
	Frequency	50 / 60 Hz ± 0.1%			
	Wave form	Pure sine wave (Sinusodial)			
	Power factor	1.0			
	Total harmonic distortion (THDu)	< 1% at linear load, < 5% at non-linear load			
	Overload capability	110% for 60 min, 125% for 10 min, 150% for 1 min, > 150% for 200 ms			
	Crest factor ratio	3 : 1			
	Protection	Overload, over voltage, under voltage, short circuit proof and low battery voltage shutdown			
BYPASS INPUT	Voltage	380 / 400 / 415 Vac (L-L), 220 / 230 / 240 Vac +15%. - 20%			
	Frequency	50 / 60 Hz (Settable: ± 1 Hz, ± 3 Hz, ± 5 Hz)			
	Overload capability	< 125% for long term, 125%-130% for 10 min, 130%-150% for 1 min, 150%-400% for 1s, > 400% for < 200ms			
EFFICIENCY	AC to AC (at full load)	Max. 97%			Max. 96.8%
	ECO mode	99%			
BATTERY	Type	Sealed lead acid (maintenance free) rechargeable			
	Capacity x Amount	12V 9Ah x 20	12V 9Ah x 40	12V 9Ah x 80	
	Backup time	Depending on connected load			
	Continuous recharging time	8 - 10 hours to 90% capacity after full load discharge			
	Charging capacity	Max. 50% Pout			20% Pout
	Charging accuracy	± 1%			
TRANSFER TIME	AC mode and Battery mode	Zero time (True on-line UPS)			
MANUAL CONTROL	Maintenance bypass switch	yes			
INDICATORS	LED	Normal operation (green), Warning (yellow), Fault (red)			
	7 inch touchscreen LCD display	Information of Input, Bypass input, Output, Battery and Load, Fault code, Setting, Event log, Date and Time			
AUDIBLE ALARM	Buzzer	Mains failure, low battery, replace battery, overload, UPS abnormal			
COMMUNICATION	Standard	USB, RS-232, RS-485, Ethernet and Dry contact			
INTERFACE	Optional	SNMP/HTTP, Parallel			
STANDARDS	Safety	IEC 62040-1, IEC 60950-1			
	EMC / EMS	IEC62040-2, IEC61000-4-2(ESD), IEC61000-4-3(RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge)			
	Performance	IEC 62040-3			
	Ingress protection	IP20			
ENVIRONMENTAL	Operating Temperature	0°C to 40°C			
	Storage temperature	- 25°C to 70°C			
	Relative humidity	0 - 95% (non-condensing)			
	Altitude	≤ 1,000 m, load derated 1% per 100m from 1,000m to 2,000m			
	Acoustic noise level at 1 metre	65 dBA at full load, 62 dBA at 45% load			
DIMENSION	W x H x D in cm	25 x 55.6 x 64.5	25 x 72.4 x 69.4	40 x 85.4 x 77	35 x 120 x 82.3
WEIGHT (approx. in kg)	UPS include standard battery	138 kg	140 kg	250 kg	286 kg

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

Authorized Distributor

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