

Ultimate-K

UKA-4K

TRUE ON-LINE DOUBLE CONVERSION UPS

- Full digital microprocessor control
- Wide input voltage range
- UPS startup without battery
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- LED and LCD display
- EMI/RFI noise filter
- USB communication port
- SNMP/HTTP capability (option)
- Extend backup time (option)
- UPS monitoring and management software
- Suit for small computer network, servers and other IT equipments

LCD display indication

- Input voltage/frequency
- Output voltage/frequency
- Battery voltage/capacity
- Load capacity in Watt and VA
- Internal temperature
- Charger status
- UPS operation mode: AC mode, battery mode, bypass mode, ECO mode and fault mode.



Single Phase True On-line Double Conversion UPS



438851 QM



ISO 9001



LEONICS CO., LTD
QMS 01008349



Accredited by Member of the Pacific Accreditation Cooperation (PAC) and International Accreditation Forum, Inc. (IAF) Multilateral Recognition Arrangement for Quality Management Systems



QMS 002



Ultimate-K series : UKA-series True On-Line Double Conversion UPS

SPECIFICATIONS

MODEL		UKA-4K	
CAPACITY	For computer load	4 kVA / 2.8 kW	
INPUT	Voltage	220 Vac single phase nominal voltage	
	Voltage range	110 - 290 Vac (depend on load) ⁽¹⁾	
	Frequency	50 Hz ± 10%, auto sensing	
	Power factor	more than 0.99 at full load	
OUTPUT	Voltage range	220 Vac ± 1%	
	Phase	single phase	
	Frequency	50 Hz ± 0.1%	
	Wave form	pure sine wave	
	Harmonic distortion	< 3% of THD at linear load, < 5% of THD at non-linear load	
	Overload capability		> 110% for 30 sec. turn to bypass mode
			> 150% for 300 ms. turn to bypass mode
	Crest factor ratio	3 : 1	
	Short circuit protection		turn off inverter, no transfer to bypass, audible alarm (AC mode)
			Turn off inverter, audible alarm (Battery mode)
	Efficiency	89%	
Protection	overload, over voltage, under voltage, short circuit proof and battery low voltage shutdown		
TRANSFER TIME	Transfer time between AC mode and Battery mode	Zero time (True on-line UPS)	
PROTECTION	EMI/RFI attenuation	IEC 62040-2	
	Surge protection	IEC 61000-4-5	
BATTERY	Type	sealed lead acid (maintenance free) rechargeable	
	Backup time	15 - 30 minutes (depending on computer load)	
	Extended backup time	option	
	Continuous recharging time	90% capacity after 6 - 10 hours charging	
INDICATOR	LED	Inverter, Battery, Bypass, Warning	
	LCD display	Input (voltage / frequency), Battery (voltage / capacity), Output (voltage / frequency), Load (Watt / VA), Inverter temperature, Charger status, Fan status, Operation mode	
AUDIBLE ALARM	Buzzer	Mains failure, low battery, overload, UPS fault	
CONNECTION	Input	NEMA 5-15P	
	Output	6 outlets	
COMMUNICATION	USB port	yes	
INTERFACE	SNMP/HTTP capability	option	
SOFTWARE	UPS monitoring and management software ⁽²⁾	yes	
ACOUSTIC NOISE		< 50 dBA at 1 metre	
ENVIRONMENT	Temperature	0 - 40°C	
	Relative humidity	0 - 95% (non-condensing)	
CONFORMANCE	Design regulation	EMC category C2	
DIMENSIONS	W x H x D (mm)	199 x 337 x 466	
WEIGHT	Approximate in kg.	26.9	

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

⁽¹⁾ Input voltage range at full load is 160 - 290 Vac

⁽²⁾ UPS monitoring and management software capable to work with these OS below.

- Windows 98 / Me / 2000 / 2003 / XP / Vista
- Novell Netware v3.1x / 4.x / 5.x
- Windows 7 / 10
- Free BSD 4.x
- MS DOS
- Linux

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