

## 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.



MASCI  
ISO 9001 QMS 01/098/349  
ISO 14001 EMS 01/007/045



NSC-TIS/TIS 17/021  
QMS 002 / EMS 005



TIS 1291 Part 1-2553 (2010)  
TIS 1291 Part 2-2553 (2010)  
TIS 1291 Part 3-2555 (2012)

Single Phase 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) <sup>(1)</sup>
	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 <sup>(2)</sup>	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.

<sup>(1)</sup> Input voltage range at full load is 160 - 290 Vac

<sup>(2)</sup> 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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