

# UKM-series



## True On-line Double Conversion UPS

### Single Phase True On-line UPS

- Full digital microprocessor control
- Wide input voltage range
- UPS startup without battery
- Cold start function
- ECO mode operation for energy saving
- Emergency Power Off (EPO) function
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- EMI/RFI noise filter
- USB and RS-232 communication port
- SNMP/HTTP capability (option)
- Extend backup time (option)
- UPS monitoring and management software (option)
- Suit for small computer network, servers and other IT equipments
- Product from ISO 9001 and ISO 14001 certified factory



MODEL		UKM-1000	UKM-2000	UKM-3000
CAPACITY	For computer load	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT	Voltage	220 Vac single phase nominal voltage		
	Voltage range	-50%, +35% at 60% of load, -27%, +35% at 100% of load		
	Frequency	45 Hz - 55 Hz		
	Power factor	more than 0.99 at full load		
OUTPUT	Voltage range	220 Vac $\pm$ 1%		
	Phase	single phase		
	Frequency	50 Hz $\pm$ 0.1 Hz		
	Wave form	pure sine wave		
	Total 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 (AC mode)	90%		
	Protection	overload, over / 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 5 hours charging		
INDICATOR	Front panel LCD's	Input voltage / frequency, Battery voltage, Output voltage / frequency, Battery level, Load level, Overload, UPS operation		
AUDIBLE ALARM	Buzzer	Battery mode, low battery, overload, fault		
INPUT PLUG		NEMA 5-15P		
OUTPUT OUTLET		3	4	
COMMUNICATION INTERFACE	RS-232 port	yes		
	USB port	yes		
	SNMP/HTTP capability	option		
SOFTWARE (1)	UPS monitoring and management software	option		
ACOUSTIC NOISE	At 1 metre	< 50 dBA		
ENVIRONMENT	Temperature	0 - 40°C		
	Relative humidity	0 - 95% (non-condensing)		
DIMENSIONS	W x H x D (cm)	44 x 8.8 x 38 (2U)	44 x 13.1 x 52 (3U)	
WEIGHT	Approximate in kg.	12	21.5	26

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

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