

# UKM-series



## True On-line Double Conversion UPS

6 kVA - 10 kVA

- 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 computer network, servers and other IT equipments
- Product from ISO 9001 and ISO 14001 certified factory



MODEL		UKM-6000	UKM-10000
CAPACITY	For computer load	6 kVA / 5.4 kW	10 kVA / 9kW
INPUT	Phase	3 phase 4 wires and ground or single phase & ground	
	Voltage	380 / 400 / 415 Vac or 220 / 230 / 240 Vac	
	Voltage range	208 - 478 Vac or 120 - 276 Vac	
	Frequency	40 Hz - 70 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	$\leq$ 2% of THD at linear load, $\leq$ 5% of THD at non-linear load	
	Overload capability	110% ~ 125% for 10 min., 125% ~ 150% for 1 min., $\geq$ 150% for 200 sec.	
	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	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 EXTENSION	Type	sealed lead acid (maintenance free) rechargeable	
	Capacity	12 V 9 Ah x 20	
	Backup time	15 minutes (depending on computer load)	
	Extended backup time	option	
	Continuous recharging time	90% capacity after 5 hours charging	
INDICATOR	Status LED & LCD	Line mode, Backup mode, Eco mode, Bypass mode, Low battery, Bad battery, Overload & UPS fault	
	Read on the LCD	Input voltage / frequency, Battery voltage, Output voltage / frequency, Load level (%), Inner temperature, Remaining backup time	
AUDIBLE ALARM	Buzzer	Battery mode, low battery, overload, fault	
COMMUNICATION INTERFACE	RS-232 port, RS-485 port	yes	
	USB port	yes	
	SNMP/HTTP capability	option	
SOFTWARE (1)	UPS monitoring and management software	option	
ACOUSTIC NOISE	At 1 metre	< 55 dBA	
ENVIRONMENT	Temperature	0 - 40°C	
	Relative humidity	0 - 95% (non-condensing)	
DIMENSIONS	UPS	44 x 13 x 58 (3U)	
	Battery extension unit	Tower 45 x 44 x 50cm (Rack mount 44 x 13 x 68 cm(3U) is optional)	
WEIGHT	UPS	25 kg	
	Approx. in kg.	Battery extension unit 63 kg	

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

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