

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 ± 1% | | |
| | Phase | single phase | | |
| | Frequency | 50 Hz ± 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 votlage / 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.



บริษัท แสง (ประเทศไทย) จำกัด

568/4 ซอยลาดพร้าว 112 (เอี่ยมสมบูรณ์) ถนนลาดพร้าว แขวงพลับพลา เขตวังทองหลาง กรุงเทพมหานคร 10310

โทรสอบถาม : 02 026 3364 ต่อ 114

www.saeng.co.th