

Model # MUT3KS

1-Ph, 3KVA/2.7W, 220/230/240V, 50H/60Hz Tower Mount On-Line UPS

Key Features

- Wide range of input voltage while input PF>99%
- Output PF of 0.9, more powerful load capability
- Wide range of input voltage while input PF>99%
- Output PF of 0.9
- Full protection of overvoltage, circuit short and over temperature
- Network/fax/modem surge protection
- LCD/LED display, monitoring all the operation status
- 19inch standard cabinet and battery cabinet
- Automatic fan speed adjustment
- Abundant interface: RS232, USB, SNMP, Intelligent Card



Product Description

MU3KS is online double-conversion UPS with full DSP control technology. With high input and output power factor, self-adjusting output frequency, smart battery management system and network management, MU3KS is a perfect choice for computers, telecommunication equipment's and other sensitive devices.

Applications

- Petrochemical application
- Critical applications where ever higher reliability is needed
- Medical & lifesaving equipment's
- Data centers & computer rooms
- ATM closets/back office support
- Banking & Telecommunication
- Power Generation & distribution stations
- SMB requirements
- Desktops, servers & storage applications

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Product Specification

| MODEL | MUT3KS |
|-------------------------------------|---|
| INPUT | |
| Cold Start | YES, default frequency=50Hz or settable |
| Acceptable Input Voltage | 110VAC~288VAC |
| | 100% load@>176VAC |
| | 80% load@>154VAC |
| | 70% load@>132VAC |
| | 50% load@>110VAC |
| Phase | Single phase in, single phase out |
| Transfer Voltage Range | (200VAC/208VAC/220VAC/230VAC/240VAC) |
| Line low transfer | 110VAC |
| Line low recovery | 121VAC |
| Line high transfer | 288VAC |
| Line high recovery | 281VAC |
| Input Current | |
| Rating(nominal input voltage) | 14.4A |
| Input Power Factor | ≥0.97 |
| Input Frequency Range | 40~70Hz |
| OUTPUT | |
| Frequency adaptable | Settable |
| Power(kVA) max | 3 |
| Power(kW) max | 2.7(2.4 for 200VAC/208VAC) |
| Output Voltage | |
| Waveform (Bat. Mode) | Pure Sine Wave |
| Nominal voltage | 200/208/220/230/240VAC |
| Voltage regulation | ± 1 % |
| Transient response | ≤5% (0% - 100% -0%) |
| Transient recovery | ≤30ms (0% - 100% -0%) |
| Voltage distortion | ≤2% THD, linear load |
| | ≤ 5% THD, non-linear load |
| Output Frequency | |
| Synchronization range | ±5Hz default |
| Battery mode | (50±0.1) Hz default |
| Transfer Time | 0mS |
| Efficiency | |
| Line mode with battery full charged | 88%@100% load, 90%@50% load |

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| ECO mode | 97.0% |
| Battery mode | 87%@100% load, 89%@50% load |
| Noise(1m away) | <45dB@<60%load,<50dB@>60%load |
| Overload Capability(Inverter) | 105%~130%: Transfer to bypass after 1 mins. |
| | 150%: Transfer to bypass after 30s |
| Overload Capability(Battery Mode) | 105%~130%:shutdown after 10s |
| | 150%:shutdown after 5s |
| Overload Capability (Bypass Mode) | <130%: Long time |
| | >130%&<150%:Shutdown after 10min |
| | >150%&<180%:Shutdown after 5 seconds |
| Crest Ratio | 3:1 |
| BATTERY | |
| Rating/Type | 12VDC/7Ah |
| Quantity | 8 |
| DC Voltage | 96VDC |
| Back-up Time | 5.5mins @80% load |
| Battery-Low Voltage | 88VDC~94VDC depending on load |
| Charger | |
| Charging voltage | float:109VDC/boost:112VDC |
| Charging current (max) | 1A |
| Charging time | 8h recharge to 90% |
| Leakage current | <1mA |
| INDICATOR & ALARM | |
| Display | LED+LCD |
| Alarm | two short one long |
| Fault | Continuous beeping |
| INTERFACE | |
| Smart RS232 | Standard Cable support MAGNIZON Power Monitor Software |
| SNMP(option) | Power Management from SNMP Manager and Web Browser |
| OPTION | |
| Intelligent Kits | DB9 port, dry contact |
| USB | B-type USB port |
| SNMP Kits | pluggable type |
| MECHANICAL | |
| W×D×H (mm) | 190*426*336 |
| W×D×H (mm)(shipment) | 285*521*420 |

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|--------------------------------------|---|
| Net Weight (KG) | 25.6 |
| Package Weight(KG) | 27 |
| Color | Black default |
| COMMUNICATIONS | |
| Communications Interface | RS232 Serial; Slot for SNMP/Web interface, parallel interface |
| Network Management Cards | SNMP-UP2, Dry contacts (optional) |
| Software compatibility | Windows family all versions, Linux, Sun Network OS, IBM Aix, Compaq Tru64 SGI IRIX, FreeBSD, HP-UX and MAC |
| UPS monitoring Software | Supplied along with UPS. Optional SNMP card with web based available on request |
| Communications Cable | RS232 serial |
| CERTIFICATIONS & WARRANTY | |
| Conformance | CE, EN/IEC 62040-2, EN/IEC 62040-3, ISO 14001, ISO 9001 |
| Standard Warranty | 2 year repair or replace |