

## Model # MUT3KL

### 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

MU3KL 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, MU3KL 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	MUT3KL
<b>INPUT</b>	
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
<b>Input Current</b>	
Rating(nominal input voltage)	14.4A
Input Power Factor	≥0.97
Input Frequency Range	40~70Hz
<b>OUTPUT</b>	
Frequency adaptable	Settable
Power(kVA) max	3
Power(kW) max	2.7(2.4 for 200VAC/208VAC)
<b>Output Voltage</b>	
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
<b>Output Frequency</b>	
Synchronization range	±5Hz default
Battery mode	(50±0.1) Hz default
Transfer Time	0mS
<b>Efficiency</b>	
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
<b>BATTERY</b>	
Rating/Type	Depend on the capacity of external batteries
Quantity	
DC Voltage	96VDC
Back-up Time	Depend on the capacity of external batteries
Battery-Low Voltage	88VDC~94VDC depending on load
<b>Charger</b>	
Charging voltage	float:109VDC/boost:112VDC
Charging current (max)	8A
Charging time	Depend on the capacity of external batteries
Leakage current	<1mA
<b>INDICATOR &amp; ALARM</b>	
Display	LED+LCD
Alarm	two short one long
Fault	Continuous beeping
<b>INTERFACE</b>	
Smart RS232	Standard Cable support MAGNIZON Power Monitor Software
SNMP(option)	Power Management from SNMP Manager and Web Browser
<b>OPTION</b>	
Intelligent Kits	DB9 port, dry contact
USB	B-type USB port
SNMP Kits	pluggable type
<b>MECHANICAL</b>	
W×D×H (mm)	190*426*336
W×D×H (mm)(shipment)	285*521*420

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<b>Net Weight (KG)</b>	11.5
<b>Package Weight(KG)</b>	13
<b>Color</b>	Black default
<b>COMMUNICATIONS</b>	
<b>Communications Interface</b>	RS232 Serial; Slot for SNMP/Web interface, parallel interface
<b>Network Management Cards</b>	SNMP-UP2, Dry contacts (optional)
<b>Software compatibility</b>	Windows family all versions, Linux, Sun Network OS, IBM Aix, Compaq Tru64 SGI IRIX, FreeBSD, HP-UX and MAC
<b>UPS monitoring Software</b>	Supplied along with UPS. Optional SNMP card with web based available on request
<b>Communications Cable</b>	RS232 serial
<b>CERTIFICATIONS &amp; WARRANTY</b>	
<b>Conformance</b>	CE, EN/IEC 62040-2, EN/IEC 62040-3, ISO 14001, ISO 9001
<b>Standard Warranty</b>	2 year repair or replace