

Model # MUT1KL

1-Ph, 1KVA/0.9W, 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

MU1KL 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, MU1KL 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	MUT1KL
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)	4.8A
Input Power Factor	≥0.97
Input Frequency Range	40~70Hz
OUTPUT	
Frequency adaptable	Settable
Power(kVA) max	1
Power(kW) max	0.9(0.8 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
	≤ 5.5% THD, non-linear load
Output Frequency	
Synchronization range	±5Hz default
Battery mode	(50±0.1) Hz default
Transfer Time	0mS
Efficiency	

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Line mode with battery full charged	86%@100% load, 87%@50% load
ECO mode	94.0%
Battery mode	83%@100% load, 84%@50% load
Noise(1m away)	<43dB@<60%load,<47dB@>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	Depend on the capacity of external batteries
Quantity	
DC Voltage	36VDC
Back-up Time	Depend on the capacity of external batteries
Battery-Low Voltage	33VAC~35VDC depending on load
Charger	
Charging voltage	float:41VDC/boost:42VDC
Charging current (max)	8A
Charging time	Depend on the capacity of external batteries
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	

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WxDxH (mm)	144*353*222
WxDxH (mm)(shipment)	240*448*320
Net Weight (KG)	6
Package Weight(KG)	7
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