

## Model # MU30KTL

3-Ph, 30KVA/27KW, 380/400/415V, 50H/60Hz Rack/Tower On-line UPS

### Key Features

- Wide range of input voltage while input PF>99%
- Output PF of 0.9, more powerful load capability
- Full protection of overvoltage, short-circuit and over temperature, overload, battery under voltage
- THDi<3%
- Battery cold start
- Full DSP $\lambda$  control
- Battery management: smart charging control, auto maintenance, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen
- Auto fan speed adjust
- Lighting and surge protection
- Abundant interface: RS232, USB, SNMP, Intelligent Card



### Product Description

MU30KTL 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, MU30KTL 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 Specifications

<b>Model</b>	<b>MU30KTL</b>
<b>Capacity:</b>	<b>30KVA/27KW</b>
<b>Main Input</b>	
<b>Grid System</b>	3 Phases + Neutral + Ground
<b>Rated Input Voltage</b>	380/400/415VAC (Line-Line)
<b>Rated Frequency</b>	50/60Hz
<b>Input Voltage Range</b>	304~478Vac (Line-Line),full load; 228V~304Vac (Line-Line),load decreases linearly according to the min phase voltage
<b>Input Frequency Range</b>	40Hz~70Hz
<b>Input Power Factor</b>	>0.99
<b>Input Current THDi</b>	<3% (full Linear Load)
<b>Bypass Input</b>	
<b>Rated Bypass Voltage</b>	380/400/415VAC (Line-Line)
<b>Rated Frequency</b>	50/60Hz
<b>Bypass Voltage Range</b>	Selectable, default -20% ~ +15%; Upper limit: +10%, +15%, +20%, +25%; Lower limit: -10%, -15%, -20%, -30%, -40%
<b>Bypass Frequency Range</b>	Selectable, ±1Hz, ±3Hz, ±5Hz
<b>Bypass Overload</b>	125% Long term operation;125%~130% for 10min; 130%~150% for 1min;
<b>Output</b>	
<b>Rated Inverter Voltage</b>	380/400/415VAC (Line-Line)
<b>Rated Frequency</b>	50/60Hz
<b>Output Power Factor</b>	0.9
<b>Voltage precision</b>	±1.5%(0-100% linear load)
<b>Transient Response</b>	<5% for step load (20% - 80% -20%)
<b>Transient recovery</b>	< 30ms for step load (0% - 100% -0%)
<b>Output Voltage THDu</b>	<1% linear load; <6 non-linear load according to IEC/EN62040-3
<b>Inverter Overload</b>	110%, 60min; 125%, 10min; 150%, 1min; >150%, 200ms
<b>Frequency Regulation</b>	50/60Hz±0.1%
<b>Synchronized Range</b>	Settable, ±0.5Hz ~ ±5Hz, default ±3Hz
<b>Synchronized Slew Rate</b>	Settable, 0.5Hz/S ~ 3Hz/s, default 0.5Hz/s
<b>Battery And Charger</b>	
<b>Battery Rate Voltage</b>	±240VDC
<b>Charger Voltage precision</b>	1%
<b>Charger Power</b>	max=20% System Power

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Battery Charger rating	8Amp
Backup time	External only, 5 min-6 hours
Recharge time	4-10 hours after full discharge
<b>Efficiency</b>	
Normal Operation	>95%
Battery Operation	>95%
<b>System</b>	
Display	LED + LCD
<b>Environmental</b>	
Operation Temperature	0 ~ 40 °C
Storage Temperature	-40 ~ 70 °C
Relative Humidity	0 ~ 95% Non-condensing
Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load
<b>Physical data</b>	
Dimension(W*D*H, mm)	250*680*770
Weight (kg)	50
<b>COMMUNICATIONS</b>	
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
<b>CERTIFICATIONS &amp; WARRANTY</b>	
UPS Certifications	CE, EN/IEC 62040-1:2008, EN/IEC 62040-2:2006, EN/IEC 61000-3-3:2013, EN/IEC 61000-3-2:2014
UPS Quality standards	ISO9001:2015, ISO14001:2015, RoHs
Product Warranty Period (Worldwide)	2-years limited Warranty