

Model # MU20KTL

3-Ph, 20KVA/18KW, 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 λ 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

MU20KTL 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, MU20KTL 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

Model	MU20KTL
Capacity:	20KVA/18KW
Main Input	
Grid System	3 Phases + Neutral + Ground
Rated Input Voltage	380/400/415VAC (Line-Line)
Rated Frequency	50/60Hz
Input Voltage Range	304~478Vac (Line-Line),full load; 228V~304Vac (Line-Line),load decreases linearly according to the min phase voltage
Input Frequency Range	40Hz~70Hz
Input Power Factor	>0.99
Input Current THDi	<3% (full Linear Load)
Bypass Input	
Rated Bypass Voltage	380/400/415VAC (Line-Line)
Rated Frequency	50/60Hz
Bypass Voltage Range	Selectable, default -20%~+15%; Upper limit: +10%, +15%, +20%, +25%; Lower limit: -10%, -15%, -20%, -30%, -40%
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz
Bypass Overload	125% Long term operation; 125%~130% for 10min; 130%~150% for 1min;
Output	
Rated Inverter Voltage	380/400/415VAC (Line-Line)
Rated Frequency	50/60Hz
Output Power Factor	0.9
Voltage precision	±1.5%(0-100% linear load)
Transient Response	<5% for step load (20% - 80% -20%)
Transient recovery	< 30ms for step load (0% - 100% -0%)
Output Voltage THDu	<1% linear load; <6 non-linear load according to IEC/EN62040-3
Inverter Overload	110%, 60min; 125%, 10min; 150%, 1min; >150%, 200ms
Frequency Regulation	50/60Hz±0.1%
Synchronized Range	Settable, ±0.5Hz ~ ±5Hz, default ±3Hz
Synchronized Slew Rate	Settable, 0.5Hz/S ~ 3Hz/s, default 0.5Hz/s
Battery And Charger	
Battery Rate Voltage	±240VDC

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Charger Voltage precision	1%
Charger Power	max=20% System Power
Battery Charger rating	8Amp
Backup time	External only, 5 min-6 hours
Recharge time	4-10 hours after full discharge
Efficiency	
Normal Operation	>95%
Battery Operation	>95%
System	
Display	LED + LCD
Environmental	
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
Physical data	
Dimension	250*680*770
(W*D*H, mm)	
Weight (kg)	50
COMMUNICATIONS	
Communications Interface	RS232 Serial; Slot for SNMP/Web interface
Network Management Cards	SNMP-UP2
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	
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