

Model # MU20KTX**3-Ph, 20KVA, 380/400/415, 50/60Hz Industrial Grade Smart online UPS with Isolation Transformer****Product Description**

Magnizon MU20KTX Series is a smart industrial grade UPS with the most advanced CPLD technology combined with high speed MCU, the sixth generation low consume large power, SCR, IGBT and static switch. Specially design for industrial lifts, elevators, Industrial grade PLC loads, pneumatic control systems, injection molding machines, Furness control systems, Industrial grade plotters and printers, motorized loads, IDC data exchange centers, telecommunication, data center, banks, negotiable securities, traffic, arms, industry, large enterprises and so on.



Key Features

- ❖ Intelligent inspect and monitor UPS systems every second
- ❖ The sixth generation IGBT inverter technology along with SCR based AC-DC conversion and static switch
- ❖ High definition touch screen LCD display and LED indicators, can show directly UPS status and operation, data records in table format, and events records.
- ❖ Adopts knock-down modular design, easy to maintain and save resources much; It is with new advanced turbofan which can release heat well and save energy
- ❖ It also uses non-circumfluence controlled circuit, ensure to provide clear energy for industrial loads; Its advanced digital circuit technology let whole UPS with 60% more life than others
- ❖ Excellent load characteristics can fulfill with suddenly change load from 0 to 100%, and no need to invert to bypass, ensure output stable and reliable
- ❖ Well-equipped protection function, including alarm function and excellent input and output under voltage overflow protection, input surge protection, phase failure protection, battery overcharge and over discharge protection, output overload short circuit protection, over heat protection and so on.
- ❖ Three phase can equal stable voltage and control separately, in order to control instantaneous overload degree of equal, realize output imbalance of 100% load
- ❖ Optional input harmonic filter or Twelve-pulse rectifier can restrain input harmonic pollution efficiently, improve UPS input power factor, and minimizes input harmonic current significantly
- ❖ Optional battery inspection module, can test specification of every battery, and show on display. If battery faulty, will alarm immediately and inform administrators.
- ❖ Special set: can set UPS work status according to requirements of electric. User can choose from UPS operate mode, ECO save energy operate mode and EPS operate mode.

Applications

- Lifts and elevators
- Larger printers and plotter
- Sub-station control system applications
- Pneumatic and injection molding machines
- Industrial furnaces control unit
- Banking, security and IDC applications
- Desktops, servers & storage applications

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Specification

Model		MU20KTX
Capacity (VA)		20KVA
Nominal output capacity		16KW
Operate type		Double Conversion low frequency Online type
Input	voltage	220V/380, 230/400, 240/415V, $\pm 25\%$
	Phase	Three phase +N+G
	Frequency	50Hz/60Hz $\pm 5\%$
	Input power factor	0.95(with input filter)
	Isolation	Yes. Through pure copper isolation transformer
	Soft start	0-100% 5sec
Output	Voltage	220V/380, 230/400, 240/415V, $\pm 1\%$ (stable load), $\pm 5\%$ (active load)
	Phase	Three phase +N+G
	Frequency	50/60Hz ($1\pm 5\%$, AC mode), 50/60Hz ($\pm 1\%$, Battery mode)
	Power factor	0.8
	Output wave	Pure sine wave
	Distortion	Linear load $< 3\%$, non linear load $< 5\%$
Battery voltage	Standard battery voltage	360V/384V
	Floating charge	405V/432V
	Terminal voltage	315V/336V
	Charge current	1A-50A (Can calculate and set according to battery configuration software)
	Maximum discharge current	56Amp
Main Function	Active voltage change	0-100% $\pm 5\%$
	Instant recover time	$< 10\text{ms}$
	Imbalance voltage	$< \pm 5\%$, $< \pm 1\%$ (Balance load voltage)
	Overload capacity	125% \rightarrow 10min, 150% \rightarrow 1min
	Static switch	Automatic
	Protection	UPS over current, short circuit, battery low voltage, over heat, phase failure
	Cold method	yes
	Noise	60-65dB
	Display	LED、LCD display
	Alarm	Alarm with buzzer and indicators
	Environment	Temperature: 0-50C Humidity: 0-90%

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Net weight	Kgs	350
Size	L*W*H (mm)	800×600×1200
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	