25-75KVA, 380/400/415V, 50/60Hz True Hot Swappable Modular On-line Double Conversion UPS

Product Description

MURM075/20K series is an online UPS with hot-swappable power modules. The single cabinet power rating covers from 25KVA to 75KVA which delivers the best of combination of reliability, hot-swappable and flexibility. With intelligent battery protection and management technology, MURM075/25K realized a compact total power solution which is easy for installation, maintenance and power management.

Applications

- Critical applications where ever higher reliability is needed
- Medical & lifesaving equipment's
- Data centers & Larger computer rooms
- Industrial &Petrochemical application
- Banking & Telecommunication
- Power Generation & distribution stations

Key Features:

- Capacities from 25kVA/25KW to 75kVA/75KW in 25kVA modular steps
- N+1 Redundancy (up to 75kVA)
- Full DSP control of high stability, reliability and safety
- Integrated IGBT module with improved performance and reduced size
- Excellent input performances for complete compatibility with input PF of 99% and
- Wide input range of voltage i.e 228V to 476V & 40-70Hz frequency window
- Self-Aging mode for full load test with less than 10% of the total power capacity needed
- Maximum availability - 'Six nines' (99.9999%) availability by uniquely combining the benefits of parallel redundancy and 'hot-swap' modularity to ensure 24/7 power availability
- High energy efficiency total flexibility & low total cost of ownership – The combination of high energy efficiency up to 98% and scalable flexibility using 'hot-swap' modules ensures that MURM060B/20K offers a low total cost of ownership
- UPS modules can be simply added, in cost effective incremental steps as the critical load power requirement grows. This ensures the UPS is 'rightsized' at initial installation, reducing the system's initial cost, optimizing its operating efficiency and reducing ongoing operating costs
- Smart charging management system, intelligently control the whole process of the charging and discharging effectively improve the life time of the battery
- Independent charger for batteries, intelligent battery management system
- Battery cold start, UPS can be powered on from the battery without utility
- Totally front access, top and bottom cable connection
- Friendly human machine interface with larger touch screen
- Quick and simple power upgrade or repair by 'Hot-Swapping' modules while the UPS is online maximizes availability and simplifies system upgrades
- High operating efficiency across a wide load range (90% to 95% efficiency from 25% partial load to 100% full load) reduces system running costs and site air conditioning costs, reducing CO_2 emissions.
- 0.99 Output power factor and 0.99 ~ unity power factor at Input side
- Low input harmonic distortion (THDi<3%)

Specification

MODEL	MURM075/25K
Capacity	25-75KVA
Power Module Type	PM25
INPUT	
Phase	3 Phases + Neutral + Ground
Voltage	380V/400V/415V(line to line)
Frequency	50/60Hz
Power Factor	>0.99
THDi	THDi<3% @100% linear load
Voltage Range	228V-476V-20%- +25% Full load linear de-rating at -25% to -40%; can take 70% load at -40%
Frequency Range	40Hz～70Hz
OUTPUT	
Voltage Regulation	±1%(Balance load); ±1.5%(Unbalance load)
THDu	THD<1.5%(linear load),THD<5%(None linear load)
Power Factor	1.0
Crest Ratio	3:01
Overload Capacity	110% for 1 hour; 125% for 10 minutes ;150% for 1 minute; >150% for 200ms
BATTERY	
Voltage	±240VDC
	20%*System Power (1 to 8.5Amp DC per module @ 480V DC bus)
Charge Power Precision	±1%
SYSTEM	
System Efficiency	Normal mode:95%;ECO mode:98%
	Battery mode:95%
Display	LCD+LED, Touch Screen +Keyboard
IP Class	IP20
Installation/Connection	Top or bottom cable connection
Operation/Storage Temperature	0～40℃/-40～70℃
Relative humidity	0～95%(non-condensing)
Noise	55dB(1 meter away)

	PHYSICAL	
Weight	**Cabinet**	105Kg
	Power Module	PM20:22Kg
Dimension	**Cabinet**	600*900*1100
(W*D*H)(mm)	**Power Module**	PM20:440*590*134

Model # MURM075/25K

	Battery Package	120*824*177
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		
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