

Model # MURM80/40K

40-80KW(PF:1), 380/400/415V, 50/60Hz True Hot Swappable Modular On-line Double Conversion UPS



Product Description

The MURM80/40K Modular UPS with unity power factor provides the most compact footprint of less than 1.2 m² with maximum capacity of 160KW with competitive price and high performance. It has been leading the international market in proven high reliability and most advanced technology. With its flexible N+N and parallel configurations MURM80/40K is set to offer better protection for large data centers, as well as for sensitive electrical loads.

Applications

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

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Key Features

- Advanced MPPT maximum power point tracking technology
- Capacities from 40kVA/40KW to 80kVA/80KW in 40kVA modular steps, N+1 Redundancy (up to 80KVA)
- Parallel up to 320KVA (4sets of 80kVA)
- Full DSP control of high stability, reliability and safety
- Friendly human machine interface with colorful touch screen of 10.4 inches
- Independent LCD display for each power module with self-starting function
- Integrated IGBT module with improved performance and reduced size
- Automatically record the critical wave information when fault happen, easy for trouble shooting
- Monitor runtime of critical components, such as fans and capacitors, settable alarm for service period
- 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 MURM80/40K 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
- 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 CO2 emissions.
- Low input harmonic distortion (THDi<3%)

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Product Specification

MODEL	MURM80/40K
Capacity	80KVA/80KW
INPUT	
Voltage range	3Ph+N+PE,380V/400V/415V(line to line)
	304-478Vac (Line-Line), full load
	228V-304Vac (Line-Line), load decrease linearly according to the min phase voltage
Frequency range	40-70Hz
THDi	<3%(Full linear load)
Power factor	1
OUTPUT	
Rated Inverter Voltage	380V/400V/415V (line to line)
Voltage regulation	±2%
Power (Apparent)	80KVA
Power (Active)	80KW
Individual Module capacity	40KVA/40KW
No of modules	2
THDu	<1% (linear load)
	<5.5% (non-linear load)
	<1%(linear load), <5% (none-linear load)
Power factor	1
Frequency range	50/60Hz
Frequency precision	1%
Overload capability	110% for 60 minutes; 125% for 10 minutes;150% for 1 minutes;>150% for 200ms
BATTERY	
BATTERY Voltage	±240VDC (480V DC)
Battery Charger power	20%System Power
Charger Voltage precision	1%
Efficiency (On-line)	96%
Efficiency (battery)	96%
Display	Color LCD Touch Screen+ LED+ Keyboard
IP class	IP20
Operation/storage Temperature	0-40°C/ -40-70°C
Relative humidity	0-95%(non-condensing)
Noise	68dB @ 100% load, 65dB @ 45% load
PHYSICAL	
Weight(Kg)	210
Dimension (W*D*H)	600*980*1150

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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