Model # MURM100/50K

50-100KVA, 380/400/415V, 50/60Hz True Hot Swappable Modular On-line Double Conversion UPS

Product Description

The MURM100/50K Modular UPS provides the most compact footprint of less than 2 ㎡ with maximum capacity of 200KVA with competitive price and high performance. It has been leading the domestic market in proven high reliability and most advanced technology for years. With its flexible N+N and parallel configurations MURM100/50K 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

Key Features

- Advanced MPPT maximum power point tracking technology

- Capacities from 50kVA/45KW to 100kVA/90KW in 50kVA modular steps, N+1 Redundancy (up to 100KVA)

- Parallel up to 400KVA (4sets of 100kVA)

- 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 MURM100-500/50K 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 CO_2 emissions.

- 0.9 Output power factor and 0.99 ~ unity power factor at Input side

- Low input harmonic distortion (THDi<3%)

Product Specification

MODEL	MURM100/50K
Capacity	100kVA
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	>0.99
OUTPUT	
Rated Inverter Voltage	380V/400V/415V(line to line)
Voltage regulation	±2%
Power (Apparent)	100kVA
Power (Active)	90KW
Individual Module capacity	50KVA/45KW
No of modules	2
THDu	<1% (linear load);
	<5.5% (non-linear load)
	<1%(linear load),<5%(none-linear load)
Power factor	0.9
Frequency range	50/60Hz
Frequency precision	1%
Overload capability	110% for 60 mins; 125% for 10 mins;150% for 1 min;>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℃/ -40-70℃
Relative humidity	0-95%(non-condensing)
Noise	68dB @ 100% load, 65dB @ 45% load
PHYSICAL	
Weight(Kg)	210
Dimension (W*D*H)	600*980*1150
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