

Power

for your cable networks and communication systems...

Solutions

MC Series Uninterruptible Power Supply



- True online dual conversion technology
- Advanced microprocessor control
- Sine wave output, zero transfer time
- Wide input voltage range
- Transient voltage surge suppress (TVSS)
- User-friendly bypass protection
- Self-test on startup
- Versatile LED display
- On-battery startup (DC power-on)
- Extended battery runtime with external battery bank(s)
- Input power factor correcting
- RS-232 communication interface + Intelligent Slot
- Optional SNMP Adapter for remote status monitoring



Optional features (from left to right): MPO Multi-purpose Outlet, PowerNET SNMP Adapter, GM Ground Mount Enclosure and PWM Pole & Wall Mount Enclosure.

MC Series Uninterruptible Power Supply

Nominal Specifications

Model	Rated power (VA / W)	Input voltage (VAC)	Input frequency (Hz)	Output voltage (VAC)	Battery voltage (VDC)	Backup time (min) ¹
MC1000	1000 / 700	220	50	220	36	210
MC2000	2000 / 1400	220	50	220	96	290
MC3000	3000 / 2100	220	50	220	96	190

1. Backup times based on single string 100AH batteries at 25°C (77°F) and typical 80% load. Figures may vary according to battery age, capacity & condition, type of load, temperature and other factors.

General Specifications

Input

Voltage range	115VAC to 300VAC
Frequency range	46Hz to 54Hz
Power factor	≥0.97

Output

Waveform	Sine wave
Frequency stability	±0.2% at battery mode
Load crest ratio	3:1
Power factor	0.7
Overload capacity	110% to 150% bypass in 30sec.; ≥150% bypass in 300ms.
Transfer time	0ms

Battery & Charger

Battery type □	Sealed maintenance free VRLA
Charger current	6A at 80% load and nominal input
Charging time	8 hours typical to 90% capacity

Mechanical

LED display features	Line, battery and inverter status, Operation mode, battery voltage, Load capacity and visible alarm
Communication Interface	RS-232 (DB9) and Intelligent Slot
Finish	Power coated
Dimensions	MC1000 410x303x88mm 16.1"x11.9"x3.5" MC-2000 & MC-3000 □ 410x303x132mm 16.1"x11.9"x5.2"
Weight	MC1000: 7kgs / 15.4lbs MC2000 & MC3000: 14kgs/30.9lbs

Environmental

Operating temperature	0 to 40°C / 32°F to 104°F
Operating humidity	0 to 95% non-condensing
Elevation	1500 meters (max.)

Optional Features



Multi-purpose Outlet (MPO)

- > 4 independent MCB-controlled sockets
- > Built of durable powder coated material
- > Easy mounting on shelf of GM enclosure
- > Other types of sockets applicable



PowerNET™ SNMP Adapter

- > Support for HTTP, SNMP and DHCP protocols
- > Support for Telnet and Hyper Terminal
- > Support for automatic startup and show-down
- > Operating status monitoring and display
- > Administration through LAN
- > Fully programmable remote control
- > Multiple-client administration
- > E-mail notification on emergency events
- > Automatic recording history log data



GM Enclosure

- > Ground mount installations
- > Built of powder coated cold rolled steel plate
- > Two lockable doors
- > Four movable (up & down) trays
- > Line power breaker (MCB)
- > Security lock

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