

MSIII tower

MAXIMUM POWER, EFFICIENCY AND REDUNDANCY

6000VA – 10000VA

The ability to install up to four units in parallel means that the maximum redundancy level is always guaranteed.



IDEAL FOR



Critical IT applications



Telecommunications



Electro-medical equipment



VOIP



Industrial applications

FEATURES

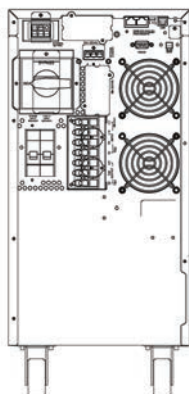
- Maximum power availability: $kVA = kW$.
- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit.
- Low running costs: the high efficiency VFI and ECO features minimise energy consumption.
- User-friendly monitoring software can be downloaded free and is compatible with the main operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of faults.
- Cold start.
- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency.
- Flexible battery configuration to suit your uptime requirements.
- Accurate calculated remaining uptime is shown on the display.
- Hot-swappable batteries: the batteries can be replaced while the UPS is running.
- Firmware can be upgraded easily to implement new features.
- EPO and On/Off, with remote option.
- 6-step operation test that can be activated manually.
- RS232 and USB ports, slots for optional communication cards.

KEY OPTIONS

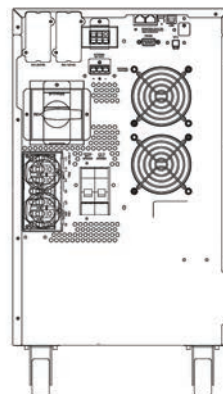
- Cards: RS485, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- External battery cabinets.
- External manual bypass with additional sockets.

BACK PANEL

MSIII 6000



MSIII 10000



MSIII TOWER TECHNICAL DATA SHEET

| MODEL | | MSIII 6000 | MSIII 10000 | |
|--|---|--|-------------|----|
| POWER | VA | 6000 | 10000 | |
| | W | 6000 | 10000 | |
| INPUT | Rated voltage* | 110-280 Vac | | |
| | Frequency | 45-70 Hz | | |
| | Power factor | >0.99 | | |
| OUTPUT | Rated voltage | 200/208/220/230/240 Vac selectable | | |
| | Voltage distortion | <2% with linear load, <7% with distorting load | | |
| | Voltage stability | ±1% | | |
| | Frequency | 50/60 Hz (selectable) | | |
| | Frequency stability | ≤ 0.2% (free running) | | |
| | Power factor | 1 | | |
| | Crest factor | 3:1 | | |
| | Waveform | Pure sine wave | | |
| | Output connection | Terminal blocks | | |
| EFFICIENCY | VFI mode | Up to 94% | | |
| | ECO mode | Up to 98% | | |
| GENERAL | Dimensions (WxDxH) mm | 240x700x513 | 288x700x513 | |
| | Weight (kg) | 53 | 78 | |
| | Alarms | Audible and visual alarm alerts for: power failure, low battery, bypass transfer, and UPS fault. | | |
| | Protection | Overload, overheating, short circuit, deep discharge, battery overcharging. | | |
| | Operating mode | Multi-mode: VFI, ECO, frequency converter (CVCF) | | |
| | Cold start from the battery without mains power | Included | | |
| | Parallel connection | Up to 4 units for 3+1 redundancy | | |
| BATTERY | Battery type | 12V VRLA, AGM (maintenance-free lead) | | |
| | Uptime with internal battery (in minutes). | 50% load | 12 | 11 |
| | | 100% load | 4 | 4 |
| | Charging time (90%) | 4-6 hours | | |
| Battery expansion module dimensions (WxDxH) ** | 288x663x661 | | | |
| ENVIRONMENTAL PARAMETERS | Operating temperature*** | 0-40°C | | |
| | Relative humidity | 0%-90% (non-condensing) | | |
| | Altitude (a.s.l.) | <1000 m with no power derating, >1000 m with 1% derating for every 100 m. | | |
| | Audible noise at 1 m. | ≤60 dBA | | |
| CONNECTIVITY | Built-in communication ports | USB, RS232, EPO On/Off contact, and additional slots for optional cards | | |
| | User interface | LCD and function keys (parameters: voltage, frequency, load percentage, battery voltage, output voltage, estimated uptime, UPS temperature). | | |
| | Optional accessories | Cards: SNMP, RS485 ModBus, dry relay contacts | | |
| | Compatible software platforms | Microsoft Windows, Linux, Mac OS, VMware | | |
| REGULATIONS | Standards | IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3 | | |
| | Marking | CE | | |

Specifications subject to change without notice - Rev. 22.09

* Depending on the load

** Battery weight and configuration depends on the required uptime

*** To be verified according to the battery parameters