

# MARS III RT

Highest active power for a rack mount UPS



6000VA ~ 10,000VA

With its Power Factor 1, Mars III delivers the highest active power for the same kVA. The compact version, with batteries included, is the simplest choice for servers protection.

## Features

- kW = kVA – More available power than any other UPS of the same category
- Convertible rack/tower with rotating display
- Compact version with batteries included
- High efficiency also in online mode
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Extremely wide input voltage range, to reduce battery cycling and increase battery lifetime
- Flexible battery configuration to best adapt to your needs
- Precise patented back-up time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customization
- Manual extra service check
- USB, comm slot, EPO/ROO

## Options

- External battery cabinets with the same aesthetics
- Versions with transformer in the same case of the battery bank
- Extra battery charger
- Parallel bypass box
- External maintenance bypass and sockets
- Rail kit
- RS232
- Version of 6000C with socket
- Dual input on 10kVA model
- External bypass switch
- External socket



IT loads & servers



Critical loads



Healthcare

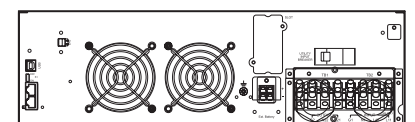


Industry

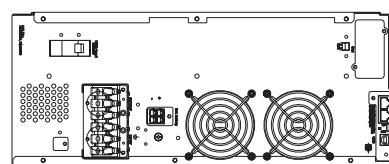
## Back Panels



MSIII6000 RT



MSIII10000 RT



MSIII6000C

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## Technical Specifications

| Model                      |                               | MSIII6000 RT  | MSIII6000C   | MSIII10000 RT  |
|----------------------------|-------------------------------|---|--------------|----------------|
| Input                      | Phase                         | Single Phase  |              |                |
|                            | Voltage Range**               | 110-280VAC  |              |                |
|                            | Frequency Range               | 45~70Hz   |              |                |
|                            | Current Distortion            | <3%   |              |                |
|                            | Power Factor                  | Up to 0.99 @ 100% linear mode   |              |                |
| Output                     | Voltage (without transformer) | 220/208/220/230/240 Vac, settable   |              |                |
|                            | Capacity                      | 6000VA/6000W  | 6000VA/6000W | 10000VA/10000W |
|                            | Power Factor**                | 1   |              |                |
|                            | Voltage Distortion            | ≤2% @100% load  |              |                |
|                            |                               | ≤7% @100% non-linear load   |              |                |
|                            | Output Voltage Regulation     | without transformer   | ±1%          |                |
|                            |                               | with transformer  | ±3%          |                |
|                            | Frequency Range               | ±1Hz or ±3Hz (Selectable)   |              |                |
|                            | Crest Factor                  | 3:1   |              |                |
|                            | Output Waveform               | Pure Sinewave   |              |                |
| Efficiency                 | Online Mode                   | Up to 94%   |              |                |
|                            | ECO Mode                      | Up to 98%   |              |                |
| Physical                   | Dimensions (WxHxD, mm)        | 440x88x685  | 440x176x685  | 440x132x685    |
|                            | Net Weight (kg)               | 18.5  | 60           | 21.5           |
| Battery                    | Number                        | 16/18/20 (12/14 optional)   |              | 16/18/20       |
|                            | Type                          | VRLA, Sealed maintenance free lead acid   |              |                |
|                            | Recharge Time (to 90%)        | 4 hours   |              |                |
|                            | Charger (16/18/20 model)      | 2-step (CC-CV), 1.7A (max.)   |              |                |
|                            | Internal batteries            | --  | 20x 5Ah      | --             |
|                            | Battery Bank                  | Code  | C20X3U00     | --             |
| Max quantities             |                               | 20  |              |                |
| Dimension (WxHxD, mm)      |                               | 440x132x685   | 440x88x685   | 440x132x685    |
| Display                    | Status on LED + LCD           | Line mode, backup mode, ECO mode, bypass supply, battery low, battery bad/disconnect, overload UPS fault  |              |                |
|                            | Readings on LCD               | Input voltage, input frequency, output voltage, output current, output frequency, load percentage, battery voltage, inner temperature, backup time estimation |              |                |
|                            | Self-Diagnostics              | Upon power-on, manual control by panel & communication, self routine check  |              |                |
| Alarm                      | Audible or Visual             | Line failure/Battery low/Transfer to bypass/System fault  |              |                |
| Protection                 | Full Protection               | Overload, Over temperature, short circuit, overcharge   |              |                |
| Function                   | Multi-Mode                    | Normal/ECO/Frequency converter  |              |                |
|                            | DC start                      | Yes   |              |                |
|                            | Parallel capacity             | Up to 4 units   |              |                |
|                            | Parallel redundancy           | 3+1   |              |                |
| Environment                | Operation Temperature         | 0~40°C  |              |                |
|                            | Operation Humidity            | 0%~90% (without condensing)   |              |                |
|                            | Altitude                      | 1000m without derating  |              |                |
|                            | Noise Level                   | ≤60dBA @ 1 metre  |              |                |
| Interface                  | Standard                      | USB, EPO/ROO  |              |                |
|                            | Option                        | RS232, RS485, Dry contact card, SNMP/WEB card, 2nd RS232 card   |              |                |
|                            | Compatible platforms          | Microsoft Windows series, Linux, Mac  |              |                |
| Standards & Certifications | Safety & EMC                  | IEC EN 62040-1, IEC EN 62040-2  |              |                |
|                            | Performance                   | IEC EN 62040-3  |              |                |
|                            | Marks                         | CE  |              |                |

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Specifications subject to change without notice

\*Depending on load percentage

\*\*Depending on number of batteries