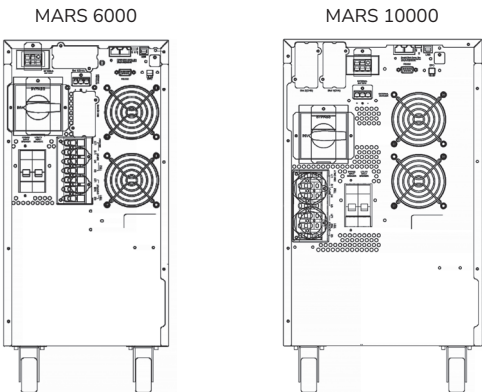


MSIII Tower - MSIII RT 1/1

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)                                       |           | 59                                                                                                                                           | 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) mm ** |           | 288x663x661                                                                                                                                  |             |
| ENVIRONMENTAL PARAMETERS | Operating temperature***                          |           | 0 – 40°C                                                                                                                                     |             |
|                          | Relative humidity                                 |           | 0% – 90% (without 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, remote On/Off contact, and additional slots for optional cards                                                              |             |
|                          | User interface                                    |           | LCD and function keys (parameters: voltage, frequency, percentage load, 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, UKCA                                                                                                                                     |             |

\* Depending on the load    \*\* Battery weight and configuration depends on the required uptime    \*\*\* To be verified according to the battery parameters



# MSIII Tower - MSIII RT 1/1

## MSIII RT 1/1 TECHNICAL DATA SHEET

| MODEL                    |                                                  |           | MSIII 6000 RT                                                                                                                               | MSIII 6000 RT C | MSIII 10000 RT                           |
|--------------------------|--------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------|
| POWER                    | VA                                               |           | 6000                                                                                                                                        | 6000            | 10000                                    |
|                          | W                                                |           | 6000                                                                                                                                        | 6000            | 10000                                    |
| INPUT                    | Rated voltage*                                   |           | 110 – 280 Vac                                                                                                                               |                 |                                          |
|                          | Rated 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                            |           | 440x680x88                                                                                                                                  | 440x680x176     | 440x680x132                              |
|                          | Weight (kg)                                      |           | 18.5                                                                                                                                        | 60              | 21.5                                     |
|                          | 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 battery in minutes                   | 50% load  | Depends on the external battery cabinets                                                                                                    | 7               | Depends on the external battery cabinets |
|                          |                                                  | 100% load | Depends on the external battery cabinets                                                                                                    | 3               | Depends on the external battery cabinets |
|                          | Charging time (90%)                              |           | 4 hours                                                                                                                                     |                 |                                          |
|                          | Battery expansion module dimensions (WxDxH) mm** |           | 440x685x132 (3U)                                                                                                                            | 440x685x88 (2U) | 440x685x132 (3U)                         |
| ENVIRONMENTAL PARAMETERS | Operating temperature***                         |           | 0 – 40°C                                                                                                                                    |                 |                                          |
|                          | Relative humidity                                |           | 0% – 90% (without 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, EPO, remote On/Off contact, and additional slots for optional cards                                                                    |                 |                                          |
|                          | User interface                                   |           | LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature) |                 |                                          |
|                          | Optional accessories                             |           | Cards: SNMP, RS232, 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, UKCA                                                                                                                                    |                 |                                          |

\* Depending on the load    \*\* Battery weight and configuration depends on the required uptime    \*\*\* To be verified according to the battery parameters

