

MARS III tower

MORE POWER, EFFICIENCY AND REDUNDANCY

6000VA ~ 10000VA

MARS III tower features Power Factor 1 on all ratings, delivering 13% more active power than its competitors for the same kVA. And with 4 units in parallel also redundancy is at the highest!



PERFECT FOR:



Critical IT equipment



Telecom



Healthcare



VOIP



Industry

FEATURES



- kW = kVA - More available power than any other UPS of the same category
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Dual input
- Flexible battery configuration to best adapt to your needs
- Precise back-up time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customisation
- Hot swap batteries - batteries can be replaced while UPS working
- Remote EPO and On/Off functions
- USB, comm. slot
- Manually activated extra service check

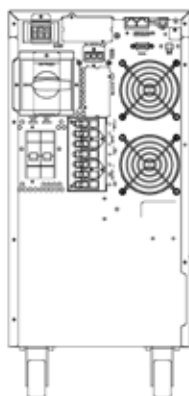
OPTIONS



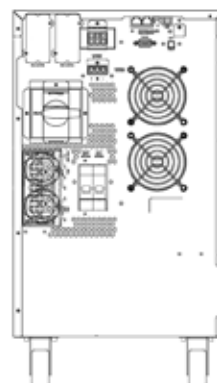
- Versions with transformer in the same footprint
- Extra battery charger
- External battery cabinets with the same aesthetics
- Parallel kit
- 6kVA with 12 or 14 batteries
- Version EN 50171 third-party certified
- RS232, RS485, dry contact relay card, SNMP/web card
- External bypass switch and external socket

BACK PANEL

Mars III 6000VA



Mars III 10000VA



SPECIFICATIONS

| MODEL | | MARS III 6000 | | MARS III 10000 | | |
|----------------------------|------------------------------|------------------------|---|----------------|----------------------------|--|
| INPUT | Phase | | Single Phase | | | |
| | Voltage Range* | | 110~280Vac | | | |
| | Frequency Range | | 45~70Hz | | | |
| | Input Current Distortion | | 3% | | | |
| | Input Power Factor | | Up to 0.99 @ Linear load | | | |
| OUTPUT | Capacity | | 6000VA/6000W | | 10000VA/10000W | |
| | Voltage | without transformer | 220/208/220/230/240 Vac, settable | | | |
| | | with transformer | 120/208 or 110/220 or 115/230 or 120/240 Vac | | | |
| | Output Power Factor ** | | 1 | | | |
| | Output Voltage Distortion | | ≤2% @ 100% Linear 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 | | 98% | | | |
| BATTERY | Number | | 16/18/20 (12/14 optional) | | 16/18/20 | |
| | Type | | VRLA, Sealed maintenance free lead acid | | | |
| | Recharge Time (to 90%) | | 4hours | | | |
| | Charger | | 2-step (CC-CV), 1.7A (max.) | | | |
| | Battery Cabinet | Code | | BT6024037 | | |
| | | Max battery n°/string | | 20 | | |
| Max battery quantities | | 60 | | | | |
| | | Dimensions (WxHxD, mm) | | 288x661x663 | | |
| 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 (optional) | | | |
| | Parallel redundancy | | 3+1 (optional) | | | |
| PHYSICAL | with batteries | Dimensions (WxHxD, mm) | | 240x513x700 | | |
| | | Net Weight (kg) | | 78 | | |
| | with transformer & batteries | Dimensions (WxHxD, mm) | | 240x661x700 | | |
| | | Net Weight (kg) | | 121 | | |
| ENVIRONMENT | Operation Temperature | | 0~40°C | | | |
| | Operation Humidity | | 0%~90% (without condensing) | | | |
| | Altitude | | 1000m without derating | | | |
| | Noise Level | | ≤60dBA @ 1 meter | | | |
| INTERFACE | Standard | | USB, EPO/ROO, Comm. Slot | | | |
| | Option | | RS232, RS485, Dry contact card, SNMP/Web card, 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/TUV | | | |

Specifications subject to change without notice

* Depending on load percentage: 176-280VAC, without derating; 160-176VAC, derating to 75% load, 110-160VAC, derating to 50% load

** Depending on battery number