



Mars III Series RT

On Line redundant UPS Rack or Tower convertible

The Mars III Rack and Tower UPS features Power Factor 1 in all ratings 13% more active power than its competitors for the same kVA and with four units in parallel the redundancy is also maximum!



Highlights:

- Power Factor 1.0
- 4 units in parallel, 3+1 redundancy with parallel kit
- Double conversion technology (0 ms).
- Electronic and manual bypass for maintenance.
- Flexible Battery numbers for adaptability.
- LCD + LED + 6 configuration buttons
- Precise runtime estimation "programmable"
- Active current harmonics correction
- Maximum efficiency with multiple operation modes
- Inverter and rectifier with IGBT technology.
- modular original Isolation transformer.
- Hotswap batteries. Replace while the ups is running
- EPO / ROO for remote On/OFF applications.
- Dual Input capability.



CRITICAL LOADS INDUSTRY HEALTH GOVERNMENT EDUCACION

Front



Back 6kW



| MODEL | | AB-MSIII6002RT | AB-MSIII10002RT |
|---------------------------|--|--|--|
| Input | Voltage Range | 110 ~ 300 Vac | |
| | Frequency Range | 40~70 Hz (Auto Sensing) | |
| | Phases | Single Phase | |
| | Current distortion THDi | ≤3% | |
| | Power Factor | ≥0.99 @ full load | |
| | Electric connection | Hardwire | |
| Output | Capacity | 6000 VA/6000 W | 10000 VA/10000 W |
| | Voltage | 200/208/220/230/240 Vac, settable | |
| | Phases | 1P+N+G | |
| | Power Factor | 1 | |
| | Harmonic distortion THD | ≤2% linear load and ≤ 5 % non-linear load | |
| | Voltage regulation | ±1% | |
| | Frequency Range | ±1Hz or ±3Hz synchronized (selectable) / 50/60 ± 0.1Hz in battery mode and CVCF | |
| | Crest Factor | 3:1 | |
| | Electric connection | Hardwire | |
| | Wave type | Pure Sine Wave | |
| Efficiency | On Line mode | Up to 94% | |
| | High efficiency mode ECO | 98% | |
| Battery | Type | Sealed Lead and Acid -VRLA-AGM | |
| | Number | 20 batteries (12V 7Ah) 240 VDC | 20 batteries (12V 9Ah) 240VDC |
| | Recharge time (a 90%) | 3 to 4 hours | |
| | Charger | Independent AC powered, 2 modes, 2.1 amp current, temperature compensation (optional) | |
| Display | LED | Main Input, Bypass input (dual input), parallel mode, bypass or ECO mode, failure mode. | |
| | LCD readings | Input Voltage, input frequency, Output voltage, output current, output frequency, load percentage, battery voltage, internal temperature, stimated runtime | |
| | Self-Diagnoses | Initial start, manually controled on panel, routine verification | |
| Alarms | Audible and Visual | Line fault / Low battery / tranfer to bypass / System failure | |
| Protections | Software | Overload, overtemperature, short circuit, load disconnected, battery disconnected | |
| | Hardware | Main Input breakers and Bypass input breaker | |
| Functions | Multiple modes | Normal / ECO / CVCF (Constant Voltage / Constant Frequency) | |
| | Cold Start | Yes | |
| | Parallel capacity | Up to 4 units | |
| | Parallel redundancy | 3+1 | |
| Physical | Model RT | 5U 440x220x680mm / 17.3 x 8.7 x 34.5 " 2U Power Module, 3U Battery Pack | 6U 440*266*680mm / 17.3*10.5*34.5 " 3U Power Module U Battey Pack |
| | Dimensions (WxHxD, mm/inch) Net weight (kg/lbs) | 73.5/161.7 (18.5/40.7 Power - 55/89.6 Battery) | 84/184.8 (21.5/43.7 Power - 62.5/137.5 Battery) |
| Enviromental | Temperature | 0~40C / 32~104F | |
| | Humidity | 0%~95%RH (non condensing) | |
| | Altitude | 3000 msnm | |
| | Noise Level | ≤48 dBA @ 1 metro | ≤50 dBA @ 1 metro |
| Interface | Standards | USB, EPO, ROO (Remote ON/Off), SR232, web card slot (RJ45 ports) | |
| | Protocols supported | JBUS, MODBUS, SNMP v1 v2 v3 | |
| | Optional slots | for RS232, RS485, Dry contacts, SNMP/WEB | |
| | Compatible plataforms | Microsoft Windows series, Linux, Mac, etc. | |
| Standard & Certifications | Safety | EN62040-1, UL1778 | |
| | EMC | EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A | |
| | Others | RETIE | |
| | Marks | CE, UL, cUL, FCC | |

* Specifications are sujet to change without notice.

