

MS III Series Redundancy On-Line UPS

The Mars III series On-line double conversion UPS with full-time Digital Signal Processor control technology is the perfect solution for mission critical user who demand high reliability, availability and performance from a UPS. Input power factor correction, high efficiency and parallel redundant capability provide a superior level of power quality for sensitive electronic equipment and computer loads.

- Output Power Factor 1
- Rack/Tower Convertible Design
- Simple Parallel Installation
- Full-time Digital Signal Processor Control
- Programmable Frequency Converter
- LCD/LED Mimic Panel
- Smart ECO Mode
- Simple and Easy to Use
- Power Range and runtime Scalability
- Optional Galvanic Isolation Transformer
- Hot Swappable Battery



Mars III Parallel
Redundancy On-Line UPS

| MODEL | | MS III 4.5K | MS III 6K | MSIII 8K | MSIII 10K |
|----------------------------------|--------------------------------|---|-------------------------------|--|----------------|
| Input | Phase | Single + G | | | |
| | Voltage** | 110Vac~280Vac | | | |
| | Frequency | 45~70Hz (Auto Sensing) | | | |
| | Current Harmonic | ≤3% | | | |
| | Power Factor | ≥0.99 @ Full Load | | | |
| Output | Capacity | 4500VA/4500W | 6000VA/6000W | 8000VA/8000W | 10000VA/10000W |
| | Voltage | 200/208/220/230/240Vac (208/120Vac option) | | | |
| | Power Factor*** | 1 | | | |
| | Harmonic Distortion | ≤1% @ 100% Linear load | | | |
| | | ≤3% @ 100% non-linear load with PF=0.9 | | | |
| | Voltage Regulation | ±1% | | | |
| | Frequency (Synchronized Range) | ±1Hz or ±3Hz (Selectable) | | | |
| Efficiency | Line Mode | 93% | | 94% | |
| | High Efficiency Mode | 98% | | | |
| Battery | Number of Battery | 12/14/16 (Standard) 12/13/14/15/16 (Option) | | 16/18/20 (Standard) 16/17/18/19/20 (Option) | |
| | Battery Type | Sealed Lead Acid Maintenance | | | |
| | Recharge Time (to 90%) | 4 hours | | | |
| | Charger | 2-mode, 2.1A(max.), Temperature compensation(Option) | | | |
| Display | Status On LED + LCD | Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad /Disconnect, Overload, and Transferring with interruption & UPS Fault | | | |
| | Readings On LCD | Input Voltage, Input Frequency, Output Voltage, Output Current, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature | | | |
| | Self-Diagnostics | Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check | | | |
| Alarm | Audible or Visual | Line Failure / Battery Low / Transfer to Bypass / System Fault | | | |
| Protection | Full Protection | Overload, Over temperature, Short circuit, Discharge, overcharge | | | |
| Function | Multi-Mode | Normal/ ECO/ CVCF | | | |
| | DC start | Yes | | | |
| | Parallel capacity | up to 4 units | | | |
| | Parallel redundancy | 3+1 | | | |
| Physical | Tower Model | Dimensions (WxHxD, mm/inch) | 290x788x645 / 11.4x29.5x25.4 | | |
| | | Net Weight (kgs/lbs) | 86/190 | 96/215 | |
| | RT Model | Dimensions (WxHxD, mm/inch) | 440x88x680 / 17.3x5.5x26.0 | 440x132x680 / 17.3x5.5x26.0 | |
| | | Net Weight (kgs/lbs) | 18/41.4 | 45/99.2 | |
| Environmental | Operation Temperature | 0- 40°C | | | |
| | Operation Humidity | 0-95 % (Without condensing) | | | |
| | Altitude | 1000m/3300ft without Derating | | | |
| | Noise Level | ≤55dBA @ 1 Meter | | ≤60dBA @ 1 Meter | |
| Interface | Standard | USB, EPO | | | |
| | Option | 2nd RS232, USB, RS485, Dry Contact Relay, SNMP/WEB Card | | | |
| | Compatible Platforms | Microsoft Windows series, Linux, Mac, etc. | | | |
| Standards and Certifications**** | Safety | EN62040-1, UL1778 | | | |
| | EMC | EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A | | | |
| | Marks | CE, UL, cUL, FCC | | | |

* Specifications subject to change without notice, and the final explanation rights are reserved by AblereX

** Depending on load percentage

*** Depending on battery application

**** Depending on the model and voltage, more information please contact with AblereX

