

# Delta UPS – Amplon Family



## MX Series, Line-interactive 1.1/2/3 kVA

The Amplon MX line-interactive UPS provides pure sine-wave quality compatibility for versatile application to protect devices and prevent small-and-medium businesses from power failure and voltage variations all in a small footprint. The Amplon MX series features enhanced output power factor 0.9, and AVR efficiency up to 96.5%, resulting in a greater power supply for critical loads at significantly less operating cost.

### Availability

- Microprocessor-based line interactive design for fast response to power disturbances
- Programmable load bank disconnects non-critical loads when a blackout occurs and reserves more battery power for critical loads
- Automatic voltage regulator (AVR) delivers stable output voltage during brownouts or over-voltages
- Wide input voltage range allows the UPS to work in harsh electrical environments
- Hot-swappable battery design protects equipment during battery replacement

### Flexibility

- Supports both rack and tower installation
- Excellent management through a user-friendly graphical and easy-shift LCD display to suit different installation formats
- Supports multiple communication interfaces, including USB port, RS-232, Mini Slot, Surge Protection, REPO for enhanced monitoring and manageability

### Low Total Cost of Ownership

- Output power factor is up to 0.9 to provide more real power to critical loads
- High efficiency normal mode reaches 98% and 98.5% for 3 kVA
- Wide input range and protection against over voltage prolongs battery life

### Applicable Sectors



Financial



Government



SME



Retail

## Technical Specifications

| Model        |                          | MX-1.1K                                                                                                           | MX-2K                                           | MX-3K                        |
|--------------|--------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------|
| Power Rating | kVA                      | 1.1                                                                                                               | 2                                               | 3                            |
|              | kW                       | 0.99                                                                                                              | 1.8                                             | 2.7                          |
| Input        | Voltage Range            | 200 Vac: 150-234 Vac / 208 Vac: 156-243 Vac / 220 Vac: 162-268 Vac<br>230 Vac: 170-280 Vac / 240 Vac: 177-290 Vac |                                                 |                              |
|              | Nominal Frequency        | 50/60 Hz (Auto-Detection)                                                                                         |                                                 |                              |
|              | Connection               | IEC C14                                                                                                           | IEC C20                                         |                              |
|              | Phase                    | Single phase with ground                                                                                          |                                                 |                              |
| Output       | Voltage                  | 200/208/220/230/240 Vac                                                                                           |                                                 |                              |
|              | Harmonic Distortion      | Linear load (full load) ≤ 2%; Non-linear load (full load) ≤ 5%                                                    |                                                 |                              |
|              | Voltage Regulation       | ±1.5% (Batt. Mode)                                                                                                |                                                 |                              |
|              | Frequency (Battery Mode) | 50/60 Hz ± 1 Hz                                                                                                   |                                                 |                              |
|              | Overload Capability      | 103~120%: 5 minutes (1 minute @ Battery mode); 120~150%: 10 seconds;<br>> 150%: UPS shutdown immediately          |                                                 |                              |
|              | Connection               | IEC C13 (4+4)                                                                                                     | IEC C13 (4+4)                                   | IEC C13 (4+4)<br>IEC C19 (1) |
|              | Current Crest Ratio      | 3:1                                                                                                               |                                                 |                              |
|              | Waveform (Battery Mode)  | Pure Sinewave                                                                                                     |                                                 |                              |
| Interface    | Standard                 | RS-232 Port x 1, USB Port x 1, MINI Slot x 1, Surge Protection, REPO                                              |                                                 |                              |
| Conformance  | Safety                   | CE, RCM                                                                                                           |                                                 |                              |
| Efficiency   | Normal Mode              | 98%                                                                                                               |                                                 | 98.5%                        |
|              | AVR Mode                 | 95.5%                                                                                                             | 96.5%                                           |                              |
| Battery      | Battery Type             | 12V/9Ah Sealed lead-acid battery                                                                                  |                                                 |                              |
|              | Numbers                  | 2                                                                                                                 | 4                                               | 6                            |
|              | Recharge Time            | 4 hours recover to 90% capacity                                                                                   |                                                 |                              |
| Environment  | Operating Temperature    | 0~40°C                                                                                                            |                                                 |                              |
|              | Relative Humidity        | 20~90% RH (non-condensing)                                                                                        |                                                 |                              |
|              | Noise Level              | < 45 dBA                                                                                                          | < 45 dBA @ Normal mode, < 55 dBA @ Battery mode |                              |
| Physical     | Dimensions (W x D x H)   | 438 x 410 x 88 mm                                                                                                 | 438 x 510 x 88 mm                               | 438 x 630 x 88 mm            |
|              | Weight                   | 14.1 kg                                                                                                           | 21.3 kg                                         | 32.1 kg                      |

All specifications are subject to change without prior notice.

