



- 650W/VA UPS module designed to operate in extreme environments and provide maximum flexibility while ensuring critical loads remain protected and running during power outages and other power disturbances
- Wide range Automatic Voltage Regulation (AVR) lengthens battery life by providing protection without transferring to backup mode during voltage surge or sag
- Independently programmable control and report dry contacts allow monitoring and controlling of key functions
- Temperature compensated battery charging protects batteries from overcharging or undercharging at extreme temperatures, extending the life of the battery
- Local and remote monitoring and control via RS232 port and Ethernet SNMP interface\*

**FXM is a line of rugged UPS power modules used worldwide in the most demanding environments where clean backup power is needed.** Designed to perform in the most extreme demanding environments, FXM units ensure equipment in security, communications, traffic, industrial environments, and many other critical applications remains safe and protected from power disturbances. Thanks to its powerful programmable battery charger, the FXM is capable of providing the runtime you need. All FXM models are available in 120Vac and 230Vac.

\*Ethernet SNMP card is standard on the 120Vac model and optional on the 230Vac model

## FXM 650 Rugged UPS Module

Consult your representative for P/N configurations

### Electrical

#### >120Vac Model

Battery string voltage:.....24Vdc or 48Vdc

Nominal voltage: ..... 120Vac

Frequency: .....60Hz/50Hz±5% (auto detection)

#### Input:

Voltage range: .....85 to 175Vac

Current:.....5.8A nominal

#### Output:

Waveform:.....Pure sinewave

Nominal voltage: ..... 120Vac

Voltage regulation: ..... +/- 10% over input voltage range

Power at 55°C:.....650W/VA

Charge current: ..... 10A max

#### >230Vac Model

Battery string voltage:.....24Vdc

Nominal voltage: .....230Vac

Frequency: .....60Hz/50Hz±5% (auto detection)

#### Input:

Voltage range: ..... 150 to 328Vac

Current:.....3.0A nominal

#### Output:

Waveform:.....Pure sinewave

Nominal voltage: .....230Vac

Voltage regulation ..... +/- 10% over input voltage range

Power at 55°C:.....650W/VA

### Mechanical

#### Dimensions:

mm:.....88H x 432W x 229D

inches: .....3.47H x 17W x 9D

Weight: ..... 11kg (25lbs)

### Environmental

Operating temp range\*.....-40 to 74°C (-40 to 165°F)

Audible noise @ 25°C:.....45dBa @ 1 meter (39in)

\*Derates after 55°C

### Performance



Typical output voltage THD: ..... <3%

Typical efficiency:.....>98% (resistive load)


Typical transfer time:.....<5ms

### Power Connector Options

#### 120Vac Model

	Input	Output
Standard	 Terminal Block	 Terminal Block

#### 230Vac Model

Standard	 Terminal Block	 Terminal Block
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### Agency Compliance

Electrical safety:.....UL1778, CSA 22.2 No 107.3-03

Marks:  

EMI: .....Class A FCC/CISPR  
[EN 50091-2:1995]

\*\*CE applies to 230Vac version only