

# Power

## FXM 2000 Rugged UPS Module



FXM 2000

- 2000W/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\*
- UPS panels can be rotated, improving usability and viewing convenience

Alpha 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, Alpha 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 2000 Rugged UPS Module

Consult your Alpha representative for P/N configurations

### Electrical

#### > 120Vac Model

Battery string voltage: ..... 48Vdc  
 Nominal voltage: ..... 120Vac  
 Frequency: ..... 60Hz/50Hz  $\pm$ 5% (auto detection)  
**Input:**  
 Voltage range: ..... 85 to 175Vac  
 Current: ..... 17.9A nominal  
**Output:**  
 Waveform: ..... Pure sine wave  
 Nominal voltage: ..... 120Vac  
 Voltage regulation: ..... +/- 10% over input voltage range  
 Power at 50°C: ..... 2000W/VA  
 Frequency: ..... Output frequency = input frequency

#### > 230Vac Model

Battery string voltage: ..... 48Vdc  
 Nominal voltage: ..... 230Vac  
 Frequency: ..... 60Hz/50Hz  $\pm$ 5% (auto detection)  
**Input:**  
 Current: ..... 9.4A nominal  
 Voltage range: ..... 150 to 328Vac  
**Output:**  
 Waveform: ..... Pure sine wave  
 Nominal voltage: ..... 230Vac  
 Voltage regulation ..... +/- 10% over input voltage range  
 Power at 50°C: ..... 2000W/VA

### Mechanical

**Dimensions:**  
 mm: ..... 133H x 394W x 222D  
 inches: ..... 5.22H x 15.5W x 8.75D  
**Weight:** ..... 16kg (35lbs)

### Environmental




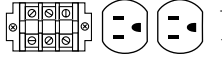
Operating temp range: ..... -40 to 74°C (-40 to 165°F)  
 Audible noise @ 25°C: ..... 45dBa @ 1 meter (39in)  
 \*120Vac module derates after 50°C (122°F). 230Vac module derates after 55°C (131°F)

### 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
Optional	 Terminal Block	 Terminal Block + Dual 5-15R

#### 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]

\*\*\*Compliance only applies to units with standard input and output connectors.  
 Contact us for compliance information on models with optional power connectors  
 \*\*\*\*CE applies to 230Vac version only