

# Power

## FXM 1100 Rugged UPS Module



FXM 1100

- 1100W/VA UPS 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 surges or sags
- Independently programmable control and reporting 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 flexibility and viewing convenience

Alpha FXM is a line of rugged UPS power modules used worldwide 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 1100 Rugged UPS Module

Consult your Alpha representative for P/N configurations

### Electrical

#### > 120Vac Model

Battery string voltage: ..... 48Vdc  
 Nominal voltage: ..... 120Vac  
 Frequency: ..... 60/50Hz  $\pm$ 5% (auto-detection)  
**Input:**  
 Voltage range: ..... 85 to 175Vac  
 Current: ..... 15.5A (@ nominal voltage and max battery charging current)  
**Output:**  
 Waveform: ..... Pure sinewave  
 Nominal voltage: ..... 120Vac  
 Voltage regulation: .....  $\pm$ 10% over input voltage range  
 Power at 55°C: ..... 1100W/VA  
 Frequency: ..... Output frequency = Input frequency

#### > 230Vac Model

Battery string voltage: ..... 48Vdc  
 Nominal voltage: ..... 230Vac  
 Frequency: ..... 60/50Hz  $\pm$ 5% (auto-detection)  
**Input:**  
 Current: ..... 8A (@ nominal voltage and max battery charging current)  
 Voltage range: ..... 150 to 328Vac  
**Output:**  
 Waveform: ..... Pure sinewave  
 Nominal voltage: ..... 230Vac  
 Voltage regulation: .....  $\pm$ 10% over input voltage range  
 Power at 55°C: ..... 1100W/VA  
 Frequency: ..... Output frequency = Input frequency

### Mechanical

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

### Environmental




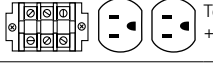


Operating temp range\*: ..... -40 to 74°C (-40 to 165°F)  
 Audible noise @ 25°C: ..... 45dBa @ 1 meter (39in)  
 \*Derates after 55°C

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

#### 230Vac Model

Standard	 Terminal Block	 Terminal Block
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\*\*FXM models with IEC connectors come with 4 lines LCD display instead of the traditional 2 lines display

### Agency Compliance\*\*\*

Electrical safety: ..... UL1778, CSA 22.2 No 107.3; EN62040-1

Marks:  

EMC: ..... CFR47, Part 15 Subpart B, Class A;  
 CES-003 Class A; EN62040-2

\*\*\*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