

Power

FXM 1100

Rugged UPS Module



FXM 1100

- 1100W/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

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Consult your Alpha representative for P/N configurations

Electrical

> 120Vac Model

Battery string voltage: 48Vdc
 Nominal voltage: 120Vac
 Frequency: 60/50Hz ±5% (auto-detection)
Input:
 Voltage range: 85 to 175Vac
 Current: 9.8A nominal
Output:
 Waveform: Pure sinewave
 Nominal voltage: 120Vac
 Voltage regulation: +/- 10% over input voltage range
 Power at 50°C: 1100W/VA
 Frequency: Output frequency = Input frequency

> 230Vac Model

Battery string voltage: 48Vdc
 Nominal voltage: 230Vac
 Frequency: 60/50Hz ±5% (auto-detection)
Input:
 Current: 5.1A nominal
 Voltage range: 150 to 328Vac
Output:
 Waveform: Pure sinewave
 Nominal voltage: 230Vac
 Voltage regulation +/- 10% over input voltage range
 Power: 1100W/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)
 *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 107.3-03

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