

Power

FXM 350 Rugged UPS Module



Alpha FXM 350

- › 350W/VA UPS module designed to operate in extreme environments; providing maximum flexibility while ensuring critical loads remain protected and running during power outages and other power disturbances
- › Unsurpassed flexibility with dual 120Vac and 24Vac outputs
- › Wide range Automatic Voltage Regulation (AVR) lengthens battery life by providing protection without transferring to backup mode during voltage surge or sag
- › Local and remote monitoring and control via USB port and Ethernet SNMP interface
- › Temperature compensated battery charging protects batteries from overcharging at extreme temperatures, extending the life of the battery
- › Independently programmable control and report dry contacts allow monitoring and controlling of key functions

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 remain 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.

FXM 350 Rugged UPS Module

Consult your Alpha representative for P/N configurations

Electrical

> 120Vac Model

Battery string voltage: 48Vdc or 24Vdc
 Nominal voltage: 120Vac
 Frequency: 60/50Hz ±5% (auto-detection)

Input:

Voltage range (w/o transferring to battery mode): 88 to 152Vac

Current:

- FXM350-24: 5.3A
- FXM350-48: 5.7A

Output:

Waveform: Pure sinewave
 Nominal voltage: Dual 120Vac, 24Vac
 Voltage regulation: ±10%

Power at 50°C: 350W/VA Total

- 24Vac: 260W/VA (max)
- 120Vac: 350W/VA (max)

Frequency: Output frequency = Input frequency

> 230Vac Model

Battery string voltage: 24Vdc
 Nominal voltage: 230Vac
 Frequency: 60/50Hz ±5% (auto-detection)

Input:

Voltage range (w/o transferring to battery mode): 151 to 282Vac

Current: 2.7A

Output:

Waveform: Pure sinewave
 Nominal voltage: 230Vac, 24Vac
 Voltage regulation: ±10%

Power at 50°C: 350W/VA Total

- 24Vac: 260VA (max)
- 230Vac: 350VA (max)

Frequency Output frequency = Input frequency

Mechanical

Mounting: 19" or 23" rack with the addition of ears
 for rack mounting

Dimensions:

mm: 88.14H x 342W x 198D

inches: 3.5H x 13.46W x 7.8D

Weight: 8.62kg (19lbs)

Environmental

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

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

Performance



Typical output voltage THD: .. <3%

Typical efficiency >96%

Typical transfer time <5ms

Power Connector Options

120Vac Model

	Input	Output
Standard	 Terminal Block	 Terminal Block

230Vac Model

Standard	 Terminal Block	 Terminal Block
----------	--	---

Agency Compliance

Electrical safety: UL1778, CSA C22.2 No. 107.3,
 EN60950-1, EN62040-1-2

Marks:  

EMI: FCC Part 15/B, EN55022. Class A.
 EN62040-2

*Derates above 50°C (122°F)

**CE applies to 230Vac version only