



an EnerSys® company

FXM 350

Rugged UPS Module



- 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 outputs 120/24VAC or 230/24VAC
- 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.

Alpha® FXM family of uninterruptible power supplies (UPS) are designed to provide clean and reliable backup power. Featuring an automatic voltage regulation (AVR), each FXM UPS provides power stability in varied power conditions without using batteries as well as the ability to switch to emergency backup power while maintaining critical loads. The factory installed SNMP card allows remote programming, monitoring and automatic e-mail notification via a web browser.

FXM 350 Rugged UPS Module

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% on line mode, ±2% on inverter mode Power at 55°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% on line mode, ±2% on inverter mode Power at 55°C: 350W/VA Total • 24VAC: 260W/VA (max) • 230VAC: 350W/VA (max) Frequency: Output frequency = Input frequency
Communication Interface	
Display:	2 x 20 backlit alpha-numeric LCD
Ports:	USB-B Female: Local Communication RJ45: Remote Communication RJ11: Battery Temperature Compensation
Indicators:	Solid Green: Line Mode Flashing Green: Inverter Mode Flashing Red: Alarm Solid Red: Fault
Dry Contacts:	2 x Programmable NO/NC (250VAC, 1A), 2 user inputs
Factory Default:	• C1: On Battery • C2: Low Battery • S1: Self Test • S2: User Input
Optional Signals Assembly:	3 x Programmable NO/NC (250VAC, 1A), 2 user inputs
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)
Humidity:	Up to 95% (non condensing)
Altitude (m/ft):	Up to 3700 (12,000)**
Audible Noise @ 25°C:	45dBa @ 1 meter (39in)
MTBF (hours):	150K + as per Telcordia SR-332, 100% duty cycle, full load
BTU/Hr:	Normal mode 9W/30.7BTU/hr Backup mode 110W/675 BTU/hr
Performance	
Typical Output Voltage THD:	<3% (resistive load)
Typical Efficiency:	>96% (resistive load)
Typical Transfer Time:	<5ms
Load Crest Factor:	3:1 (load dependent)
Power Connector Options	
120VAC Model	
Input	Output
Standard (FXM 350-24: 017-241-29, FXM 350-48: 017-241-22)	Standard
 Terminal Block	 Terminal Block
230VAC Model	
Standard (017-241-26)	Standard
 Terminal Block	 Terminal Block
Agency Compliance	
Electrical Safety:	UL 1778, CAN/CSA-C22.2 No. 107.3, EN 62040-1****
Marks:	 
EMI:	CFR Title 47 FCC Part 15 – Class A, ICES-003 – Class A, EN 62040-2 – UPS Category C2****
*Derates after 55°C (131°F) **Derates 2°C per 300m (1000ft) above 1400m (4500ft) *** Applies to 230VAC version only	



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