



an EnerSys® company

FXM 2000

Rugged UPS Module



- 2000W/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 surge or sag
- 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.

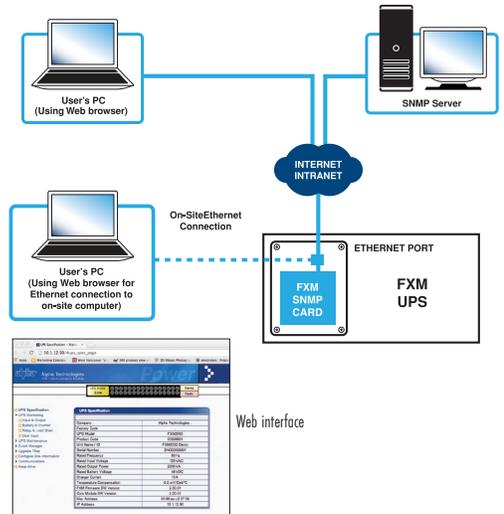
Designed to perform in the most extreme demanding environments, Alpha® FXM units ensure equipment in security, communications, traffic, industrial environments, and many other critical applications remains safe and protected from power disturbances. Thanks to its powerful programmable battery charger, the FXM is capable of providing the runtime you need. All FXM models are available in 120VAC and 230VAC.

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 2000 Rugged UPS Module

Consult your sales representative for P/N configurations

Electrical	
120VAC Model	
Battery String Voltage:	48VDC
Nominal Voltage:	120VAC
Frequency:	60Hz/50Hz ±5% (auto detection)
Input:	Voltage range: 85 to 152VAC Current: 20A (@ nominal voltage and max battery charging current)
Output:	Waveform: Pure sine wave Nominal voltage: 120VAC Voltage regulation: ±10% on line mode, ±2% on inverter mode Power at 50°C: 2000W/VA Frequency: Output frequency = Input frequency
230VAC Model	
Battery String Voltage:	48VDC
Nominal Voltage:	230VAC
Frequency:	60Hz/50Hz ±5% (auto detection)
Input:	Current: 12A (@ nominal voltage and max battery charging current) Voltage range: 150 to 328VAC
Output:	Waveform: Pure sine wave Nominal voltage: 230VAC Voltage regulation: ±10% on line mode, ±2% on inverter mode Power at 55°C: 2000W/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)
Communication Interface	
Display:	2 x 20 backlit alpha-numeric LCD
Ports:	<ul style="list-style-type: none"> DE-9 Female: Local RS232 Communication RJ45: Remote Communication RJ11: Battery Temperature Compensation
Indicators:	<ul style="list-style-type: none"> Green & Red LED's Solid Green: Line Mode Flashing Green: Inverter Mode Flashing Red: Alarm Solid Red: Fault
Dry Contacts:	Programmable NO/NC (250VAC, 1A)*, 3 user inputs, ATS
Factory Default:	<ul style="list-style-type: none"> C1: On Battery C2, C3: Low Battery C4: Load Shed Timer 1 C5: Alarm C6*: 48VDC @ 500mA C7: User Inputs <ul style="list-style-type: none"> S1: Self test S2: User Input S3: Shutdown(EPO) C8: ATS
* C6 is factory configurable only	

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: 41W/140 BTU/hr Backup mode: 439W/1498 BTU/hr
*120VAC module derates after 50°C (122°F). 230VAC module derates after 55°C (131°F) **Derates 2°C per 300m (1000ft) above 1400m (4500ft)	
Performance	
Typical Output Voltage THD:	<3% (resistive load)
Typical Efficiency:	>98% (resistive load)
Typical Transfer Time:	<5ms
Load Crest Factor:	3:1 (load dependent)
Power Connector Options	
120VAC Model	
Input:	Output:
Standard  Terminal Block	Standard  Terminal Block
230VAC Model	
Standard  Terminal Block	Standard  Terminal Block
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 Class A
**CE applies to 230VAC version only	
	



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