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 ±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: ...........±10% on line mode, ±2% on inverter mode
Power at 55°C: .............1100W/VA
Frequency: ..................Output frequency = Input frequency

> 230Vac Model
Battery string voltage: ...48Vdc
Nominal voltage: .............230Vac
Frequency: ...................60/50Hz ±5% (auto-detection)
Input: Voltage range: .............85 to 175Vac
Current: 8A @ nominal voltage and max battery charging current
Output: Waveform: ..............Pure sinewave
Nominal voltage: .............230Vac
Voltage regulation: ...........±10% on line mode, ±2% on inverter mode
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)

COMMUNICATION INTERFACE:
Display: ............2 x 20 backlit alpha-numeric LCD
Ports: .................DE-9 Female: Local RS232 Communication
..........................RJ45: Remote Communication
..........................RJ11: Battery Temperature Compensation
Indicators: ......................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:
• C1: On Battery
• C2, C3: Low Battery
• C4: Load Shed Timer 1
• C5: Alarm
• C6*: 48Vdc @ 500mA
• C7: User Inputs
• 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: ...........45dB @ 1 meter (39in)
MTBF (hours): 150K + as per Telcordia SR-332, 100% duty cycle full load
BTU/Hr: .................Normal mode 22W
..............................Backup mode 242W

*Derates after 55°C
**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

<table>
<thead>
<tr>
<th>120Vac Model</th>
<th>230Vac Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Standard</td>
<td>Terminal Block</td>
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<tr>
<td>Optional</td>
<td>Optional Block</td>
</tr>
<tr>
<td>IEC**</td>
<td>IEC**</td>
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</tbody>
</table>

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

**CE** applies to 230Vac version only

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