

# Power

## Alpha FXM 650

UPS Module



Alpha FXM 650

- Clean, uninterruptible backup power ensures your system will remain running during power outages
- Wide range Automatic Voltage Regulation (AVR) without going to batteries lengthens battery life, even during periods of surge or sag in the line voltage
- External communications via RS-232 port and optional Ethernet SNMP interface provides local or remote monitoring and control
- Independently programmable dry contact relays allow tracking and controlling of key functions
- A wide operating temperature range of -40 to 74°C (-40 to 165°F) is suitable for the most extreme operating environments
- Battery and power consumption reporting (kWh) provides accurate remaining runtime
- White text on blue display improves text readability in bright daylight

The Alpha FXM uninterruptible power supply (UPS) modules provide clean, reliable power control and management as part of a complete UPS solution. Each model is available in either North American (120V/60Hz) or International (230V/50Hz) variants. Automatic Voltage Regulation (AVR) provides power stability in unpredictable environments and constant voltage during variable power conditions. Temperature compensated battery charging protects batteries from over charging at extreme temperatures, extending battery life. Event and alarm logging with time and date stamping simplifies and accelerates troubleshooting. Control and alarm connection panels can be rotated for mounting and display in any orientation\*\* for viewing preference.

\* Power module only. Output power derates after 55°C for FXM 650 and 1100, after 50°C for FXM 2000. (120Vac), and after 55°C (230Vac)

\*\* The LCD panel on the FXM 650 cannot be rotated.

## Alpha FXM 650 UPS Module

Consult your Alpha representative for P/N configurations

### Electrical

#### > North America

Battery string voltage: .....24Vdc/48Vdc

Nominal voltage: .....120Vac

Nominal frequency: .....Auto-sensing

#### Input:

Current: .....5.6A nominal

Voltage: .....85 to 175Vac

#### Output:

Current: .....5.4A nominal (no charge current)

Voltage regulation: ..... +/- 10% over input voltage range

Power at 55°C: .....650W/VA

Charge current: .....10A max

#### > International

Battery string voltage: .....24Vdc

Nominal voltage: .....230Vac

Nominal frequency: .....Auto-sensing

#### Input:

Current: .....3.0A nominal

Voltage range: .....150 to 328Vac

#### Output:

Current: .....2.8A nominal (no charge current)

Voltage regulation ..... +/- 10% over input voltage range

Power at 55°C: .....650W/VA

### Mechanical

#### Dimensions:

mm: .....88H x 432W x 229D

inches: .....3.47H x 17W x 9D

Weight: .....11kg (25lbs)

### Environmental

#### Operating

temperature range\*: .....-40 to 74°C (-40 to 165°F)

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

\*Derates after 60°C

### Performance

Typical output voltage THD: .....<3%

Typical efficiency: .....>98% (resistive load)

Typical transfer time: .....<5ms

### Agency Compliance

Electrical safety: .....UL1778, CSA 22.2 No 107.3-03

Marks: 

EMI: .....Class A FCC/CISPR  
[EN 50091-2:1995]

\*CE applies to 230Vac version only