



Alpha FXM HP Series

Outdoor UPS with 650, 1100 and 2000W output power range



- High operating & ambient temperature range - 40 °C to + 74 °C
- Wide input voltage range and automatic voltage regulation (AVR) without switching to battery operation
- Advanced next-generation control and monitoring platform with high resolution color touchscreen LCD display
- Built-in data loggers to monitor performance logs, user configurable alarms and advanced equation editing for custom data and actions
- Integrated USB host for local firmware upgrades, configuration updates, backup, restoration and cloning

The FXM HP continues the longstanding excellence in Battery Backup Systems by ensuring that equipment in critical applications remains protected from power disturbances and outages. The FXM HP brings a refreshed look, increased processor power, advanced security and configurability to the proven FXM outdoor family. Colored LCD touchscreen display provides access to multiple configurable tabs for quick system status, overview and configuration without the need of a laptop.

Alpha FXM HP 650, 1100, 2000

Technical Data			
Model	FXM 650	FXM 1100	FXM 2000
Input			
Input voltage range	153 - 322 VAC		
Input current	4,4 A	8 A	12 A
Frequency Tolerance in Line Mode	± 5 %		
Input Breaker Rating	5.5 A	10 A	15 A
Frequency	50 Hz or 60 Hz		
Output			
Nominal output voltage	210 / 220 / 230 / 240 VAC		
Voltage regulation	Line Mode: ± 10 %, Inverter Mode: ± 2 %		
Rated Power	650 VA	1100 VA	2000 VA
Frequency	50 Hz or 60 Hz		
Batteries			
Battery string voltage	24 VDC	48 VDC	
Max. battery charging current	10 A	15 A	
Battery Breaker Rating	80 A	50 A	80 A
Performance			
Load Crest Factor	3 : 1		
Typical output voltage (THDi)	< 3 %	< 3,5 %	< 5 %
Efficiency Line Mode	> 98 % (Inverter Mode: >75%)	> 97 % (Inverter Mode: > 85%)	
Waveform	pure sinus wave		
Typical transfer time	< 5 ms		
Dimensions & Features			
Dimensions (mm)	89 H x 432 W x 229 D	133 H x 394 W x 222 D	
Weight (w/o Batteries)	11,3 kg	14 kg	18 kg
Audible noise @ 1m	< 45 dBA		
Operating Temperature Range	-40 to 74 °C		
Full Load Operating Temperature Range	-40 to 55 °C (Derates 1.4% per °C past listed temperature range until a maximum of 74 °C, Refer to manual for nonlisted voltage settings)		
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life		
Humidity	up to 95% (non condensing)		
Altitude	up to 3700m (derates 2°C per 300m above 1400m)		
BTU/Hr (Inverter Mode)	845	675	1185
Connectors (Input / Output)	hard wired		
Communication Ports	Dry contacts, 2 x RJ45, 1 x USB-A, 1 x USB mini, 1 x RJ11, 1 x RJ12		
SNMP interface card	Standard via RJ45 Ethernet		
Mounting	Shelf, rack or wall; horizontal or vertical mount		
Cooling	Forced air (fan cooled) with optional external fan cooling for enclosure		
Display	Full graphic LCD, 480x272 pixels, Resistive touch screen		
Indicators	Solid Green: Line Mode, Flashing Green: Inverter mode, Yellow/Amber: Minor alarms, Red: Major/Critical alarms		
Agency Compliance			
Electrical Safety	UL 1778, 60950-1, CAN/CSA-C22.2 No. 107.3-14		
Marks	CE, CSA		
RoHS	Yes		
EMC	FCC CFR47 Part 15, Class A, CSPR22, EN55022 Level A		

Worldwide Corporate Offices

Headquarter Germany

Hansastraße 8
D-91126 Schwabach
Tel: +49 9122 79889 0

Mail: info@alpha-outback-energy.com

Eastern Europe

ee@alpha-outback-energy.com

Middle East

me@alpha-outback-energy.com

France and Benelux

fbnl@alpha-outback-energy.com

Spain

spain@alpha-outback-energy.com

Africa

africa@alpha-outback-energy.com