

Alpha FXM Series

Outdoor UPS with 350, 650, 1100 und 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
- ⦿ Temperature compensated battery charge
- ⦿ Programmable charging current
- ⦿ Extensive accessories: batteries, heating mats, transfer switches, outdoor cabinets
- ⦿ RS232 communication interface, SNMP adapter for remote monitoring, dry contacts.
- ⦿ As stand-alone solution, 19" rack mounting or complete customized solution

The FXM series is specially designed for outdoor operation in extreme environments with high temperature fluctuations from - 40 °C to + 74 °C. Our FXM is a universal UPS solution in the power range of 350, 650, 1100 and 2000 W / VA. Autonomy times from a few minutes to several hours are possible. The classic areas of application include traffic lights, traffic control and security systems, monitoring and lighting systems (runways, airfield lighting) as well as areas in the computer environment, telecommunications, industry where an uncompromising uninterruptible power supply is needed and / or recommended for extreme installation environments.

Alpha FXM 350, 650, 1100, 2000

Technical Data

Model	FXM 350	FXM 650	FXM 1100	FXM 2000
Outputpower @ 50 °C (watt)	350	650	1100	2000
Operating temp. range	-40 °C bis 74 °C			
Temperature Warning	Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life			
Nominal voltage	230 VAC			
Input voltage range	151 - 282 VAC without switching to battery operation	150 - 328 VAC without switching to battery operation	150 - 328 VAC without switching to battery operation	150 - 328 VAC without switching to battery operation
Input current	2.7 A	4.5 A	8.0 A	12 A
Nominal output voltage	230 / 24 VAC (zeitgleich)		230 VAC	
Voltage regulation	+ / - 10% within full input voltage range			
Typical output voltage (THDi)	< 3 %			
Battery string voltage	24 VDC	24 VDC	48 VDC	48 VDC
Frequency	50 / 60 Hz (input frequency = output frequency)			
Efficiency (normal operation)	> 96 %	> 98 %		
Waveform	pure sinus wave			
Max. battery charging current	6 A	3, 6, 10 A	3, 6, 10 and 11 to 15 A*	
Interfaces	Dry contacts, RS232 (FXM350: USB), RJ45			
SNMP interface card	YES			

* Note: Charge current > 10 A influences the output power (e.g. 1625 W maximum load with FXM 2000 and 15 A charge current)

Dimensions & Features

Dimensions (HxWxD) mm	88 x 342 x 198	88 x 432 x 229	133 x 394 x 222	133 x 394 x 222
Weight (w/o Batteries)	8,6 kg	11 kg	16 kg	16 kg
Audible noise @ 1m	< 45 dBA			
Typical transfer time	< 5 ms			
Connectors (Input / Output)	hard wired (terminal block)**			
Agency Compliance	CSA; CE; UL; EN60950-1; EN62040-1-2 FCC Part 15/B; EN55022. Class A; EN62040-2			

Standard features

Automatic voltage regulation (AVR) & automatic frequency measurement (50 Hz / 60 Hz)

Standard RS-232 & SNMP interface card

Emergency Power Off, E.P.O. input

Load controlled fans & fan malfunction alarm

Input circuit breaker & external battery isolation

"Generator-ready" for extended runtimes

Three user inputs: self-test, alarm, shutdown

**Terminal block



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