

Alpha Micro 350

Line Interactive Outdoor UPS system



Alpha Micro 350

- Integrated backup power system designed to operate in extreme environments and provide maximum flexibility in ensuring critical loads remain up and running during power outages
- 350W/VA total output in AC and/or DC including 120Vac, 24Vac, 48Vdc, 24Vdc and 12Vdc enables application with diverse load requirements*
- Temperature compensated battery charging and battery heater mat option provides prolonged battery life and operation at extreme temperatures
- Wide range of input with Automatic Voltage Regulation (AVR) extends battery life by not reverting to batteries during periods of surge or sag in utility power voltage
- External communication via USB port and Ethernet SNMP interface provides local or remote monitoring and control
- Flexible enclosures and battery options ensure the required runtime is achievable in a compact footprint
- Optional distribution panel enables easy integration with both AC and DC devices

The Alpha Micro Series provides constant, reliable backup power for access control, security, public utility and telecommunications applications in a compact, yet rugged, all-in-one enclosure. The new Alpha Micro 350 provides total output power of 350W and features multiple voltage output: 120Vac with optional 24Vac and/or DC output. It provides optional distribution panels in a single, easy to install cabinet for lower power applications requiring the same functionality as the industry leading Alpha FXM series. Optional add-on battery cabinets support applications where longer backup times are required. Each power level is available in either North American (120Vac/60Hz) or International (230Vac/50Hz) variants.

*Some output voltage may require distribution; 48Vdc output requires 48V battery string

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Consult your Alpha representative for P/N configurations

Electrical

North America


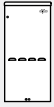

Battery string voltage:.....48Vdc/24Vdc
 Input voltage:Nominal 120Vac
 Range: 84 to 142V
 (without transferring to backup mode)
 Input current:.....3.1A nominal
 Input frequency:60Hz +/- 5Hz
 Charger current:
 0-6A selectable in 1A increments (24Vdc battery bus version)
 0-4A selectable in 1A increments (48Vdc battery bus version)
 Output voltage:.....120Vac, 24Vac, 48Vdc/24Vdc*
 Regulation:±10% over full input voltage range
 Waveform:Pure sine wave
 Output current:.....2.92A nominal
 Output power at 50°C:350 W/VA

International

Battery string voltage:.....48/24Vdc
 Input voltage:Nominal 230Va
 Range: 150 to 328V
 Input current:.....1.6A nominal
 Input frequency:50Hz +/- 5Hz
 Charger current:
 0-6A selectable in 1A increments (24Vdc battery bus version)
 0-3A selectable in 1A increments (48Vdc battery bus version)
 Output voltage:.....230Vac, 24Vac, 24Vdc, 48Vdc*
 Regulation:±10% over full input voltage range
 Waveform:Pure sine wave
 Output current:.....1.52A nominal
 Output power at 50°C:350 W/VA

*Output voltages depend on specific unit. Contact your Alpha Sales Representative to determine the unit best suited to your needs.

Mechanical

Alpha Micro			
	Dimensions	mm	500H x 358W x 294D
		inches	19.7H x 14.1W x 11.6D
Weight (without batteries)		25kg (56lbs)	
Alpha Micro XL			
	Dimensions	mm	776H x 358W x 294D
		inches	30.6H x 14.1W x 11.6D
Weight (without batteries)		29kg (65lbs)	
Alpha Micro XL3			
	Dimensions	mm	1330H x 358W x 294D
		inches	52.4H x 14.1W x 11.6D
Weight (without batteries)		33kg (74lbs)	

Environmental

Temperature range:..... -40 to 50°C (-40 to 122°F) de-rated up to 74°C
 Humidity:.....15% to 95% RH non condensing
 Audible noise@25°C:<45dBa @ 1 metre (39in)

Performance

Typical output voltage THD: ...<5%
 Typical efficiency:.....>95% (resistive load)
 Typical transfer time:.....<5ms

Agency Compliance

Electrical safety:.....UL1778, CSA22.2, No.107.3, CE: EN60950-1-2

Marks:   

EMI:.....FCC Class A / CISPR22



For more information, please contact:

Alpha Power Systems Pty Ltd
 18/30 Heathcote Road
 Moorebank NSW 2170
 Australia

Phone: +61 2 9602 8331
 Fax: +61 2 9602 9180
 E-mail: admin@alphapower.com.au
 Website: www.alphapower.com.au


Alpha Technologies Ltd.

For more information visit www.alpha.ca

Canada: Burnaby, British Columbia Tel: 604 436 5900 Fax: 604 436 1233
 United States: Bellingham, Washington Tel: 360 647 2360 Fax: 360 671 4936

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