

Power

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 and 48Vdc 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

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. Optional add-on battery cabinets support applications where longer backup times are required. Each power combination is available in either North American (120Vac/60Hz) or International (230Vac/50Hz) variants.

*48Vdc output requires 48V battery string and special distribution

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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
 Regulation:±10% over full input voltage range
 Waveform:Pure sine wave
 Output current:.....2.92A nominal
 Output power at 50°C:350 W/VA

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 74°C (-40 to 165°F) de-rated after 50°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