Alpha Micro 350

Rugged UPS System

SBC Data Power Inc.
1760 Monrovia Avenue, Suite C8
Costa Mesa, Ca 92627
Ph 949 646 8191 www.sbcdatapower.com

Your Power Solutions Partner

- Compact, integrated UPS system designed to operate in extreme environments and provide maximum flexibility while ensuring critical loads remain protected and running during power outages and other power disturbances
- Up to 11 hours backup time at full load (350W) for extended system continuity
- NEMA 3R rated enclosure for superior performance in outdoor applications
- Unsurpassed flexibility with dual 120Vac & 24Vac outputs
- Wide range Automatic Voltage Regulation (AVR) lengthens battery life by providing protection without transferring to backup mode during voltage surge or sag
- Local and remote monitoring and control via USB port and Ethernet SNMP interface
- Temperature compensated battery charging automatically adjusts charge voltage extending the life of the battery

The Alpha Micro 350 is part of the Alpha Micro Series. Products of the Micro Series are rugged compact all-in-one UPS solutions used worldwide where clean backup power is needed. Designed to perform in the most extreme demanding environments, Alpha Micro units ensure equipment in security, communications, public utilities, industrial environments, and many other critical applications remain safe and protected from power disturbances. The Alpha Micro Series gives you the flexibility to grow its enclosure by adding batteries for greater runtime. All models of the Micro Series are available in 120Vac and 230Vac.

Power

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Alpha Micro 350 Rugged Outdoor UPS System

Available with 2 dry contacts and 2 user inputs or 5 dry contacts and 4 user inputs. Consult your Alpha representative for P/N configurations

ELECTRICAL

120Vac Model

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

Input:
Nominal voltage:.....120Vac
Voltage range (w/o transferring to battery mode): 88 to 152Vac
Current:
Micro 350:.....5.7A
Micro 350XL:.....6.2A
Micro 350XL3:.....7.2A
Frequency: .....60/50Hz ±5% (auto-detection)

Output:
Waveform: .....Pure sinewave
Nominal voltage:.....Dual 120Vac, 24Vac
Voltage regulation:.....±10%
Power at 50°C:.....350W/VA Total
24Vac: 260W/VA (max)
120Vac: 350W/VA (max)
Frequency: .....Output frequency = Input frequency

230Vac Model

Battery string voltage.....24Vdc

Input:
Nominal voltage:.....230Vac
Voltage range (w/o transferring to battery mode): 151 to 282Vac
Current:
Micro 350:.....2.7A
Micro 350XL:.....3.2A
Micro 350XL3:.....3.6A
Frequency: .....60/50Hz ±5% (auto-detection)

Output:
Waveform: .....Pure sinewave
Nominal voltage:.....230Vac, 24Vac
Voltage regulation:.....±10%
Power at 50°C:.....350W/VA Total
24Vac: 260VA (max)
230Vac: 350VA (max)
Frequency: .....Output frequency = Input frequency

MECHANICAL

	Alpha Micro		
	Dimensions	mm	500H x 358W x 294D
		inches	19.7H x 14.1W x 11.6D
	Weight (w/o batteries)		25kg (56lbs)
	Alpha Micro XL		
	Dimensions	mm	776H x 358W x 294D
		inches	30.6H x 14.1W x 11.6D
	Weight (w/o batteries)		29kg (65lbs)
	Alpha Micro XL3		
	Dimensions	mm	1330H x 358W x 294D
		inches	52.4H x 14.1W x 11.6D
	Weight (w/o batteries)		33kg (74lbs)

ENVIRONMENTAL

Operating temperature range:....-40 to 74°C (-40 to 165°F)*
Audible noise @ 25°C.....<45dBa @ 1 meter (39in)
*Derates above 50°C (122°F)

PERFORMANCE

Typical output voltage THD: .....<3%
Typical efficiencyl line mode:.....>96%
Typical transfer time:.....<5ms

AGENCY COMPLIANCE

Electrical safety: .....UL1778; CSA C22.2 No. 107.3; EN62040-1

Marks: (230Vac only)

EMC: .....CFR47, Part 15 Subpart B, Class A; CES-003 Issue 4, Class A; EN62040-2: 2006

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