

# Power

## Alpha Micro 350

Rugged UPS System



Alpha Micro 350  
with batteries shown

- 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.

## 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 (without 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 (without 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

	<b>&gt;Alpha Micro</b>		
	Dimensions	mm	500H x 358W x 294D
		inches	19.7H x 14.1W x 11.6D
Weight (without batteries)		25kg (56lbs)	
	<b>&gt;Alpha Micro XL</b>		
	Dimensions	mm	776H x 358W x 294D
		inches	30.6H x 14.1W x 11.6D
Weight (without batteries)		29kg (65lbs)	
	<b>&gt;Alpha Micro XL3</b>		
	Dimensions	mm	1330H x 358W x 294D
		inches	52.4H x 14.1W x 11.6D
Weight (without 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 efficiency 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