# Micro 350

# Line Interactive Outdoor UPS system



- 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 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 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)
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

## Mechanical

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

## Environmental

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: Office CE

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

<sup>\*</sup>Output voltages depend on specific unit. Contact your Alpha Sales Representative to determine the unit best suited to your needs.