



an EnerSys® company

Alpha® Micro 1000

Rugged UPS System



- Compact, integrated UPS system provides clean, uninterruptable backup power
- Wide range Automatic Voltage Regulation without going to batteries extends battery life, even during periods of surge or sag in voltage from utility power
- External communications via RS-232 port or Ethernet SNMP interface provides local or remote monitoring control
- Independently programmable control and report relays allow tracking and controlling of key functions
- Event and alarm logging with time and date stamping simplifies and accelerates troubleshooting
- A wide operating temperature range of -40 to 74°C (-40 to 165°F)* is suitable for the most extreme operating environments
- Temperature compensated battery charging protects batteries from over charging at extreme temperatures

The Alpha® Micro Series provides constant, reliable backup power for Access Control, Security, Public Utility and Telecommunications applications in a compact all-in-one enclosure.






The Alpha® Micro UPS Series provides the same functionality as the Alpha® class leading FXM Series, for lower power applications in a single, easy to install cabinet. Optional add-on battery cabinets support applications where longer backup times are required. The system is available in either North American (120VAC/60Hz) or International (230VAC/50Hz) variants.

*This applies to the UPS module only. Batteries may require a heater mat at lower temperatures. Output power derates after 50°C

Alpha® Micro 1000 UPS and Enclosure

Consult your sales representative for P/N configurations

120VAC Model	
Battery String Voltage:	48VDC
Input:	
Nominal Voltage:	120VAC
Nominal Frequency:	60Hz
Current: (@ nominal voltage, max battery charging current)	Micro: 14.46A MicroXL: 14.92A MicroXL3: 15.84A
Voltage Range:	85 to 152VAC
Output:	
Voltage Regulation:	±10% on line mode, ±2% on inverter mode
Power @ 50°C:	1000W/VA
230VAC Model	
Battery String Voltage:	48VDC
Input:	
Nominal Voltage:	230VAC
Nominal Frequency:	50Hz
Current: (@ nominal voltage, max battery charging current)	Micro: 7.44A MicroXL: 7.68A MicroXL3: 8.16A
Voltage Range:	150 to 328VAC
Output:	
Voltage:	230VAC
Voltage Regulation:	±10% on line mode, ±2% on inverter mode
Power @ 50°C:	1000W/VA
Communication Interface	
Display:	2 x 20 backlit alpha-numeric LCD
Ports:	DE-9 Female: Local RS232 Communication RJ45: Remote Communication RJ11: Battery Temperature Compensation
Indicators:	Solid Green: Line Mode Flashing Green: Inverter Mode Flashing Red: Alarm Solid Red: Fault
Dry Contacts:	Programmable NO/NC (250VAC, 1A)*, 3 user inputs, ATS
Factory Default:	C1: On Battery C2, C3: Low Battery C4: Load Shed Timer 1 C5: Alarm C6*: 48VDC @ 500mA C7: User Inputs • S1: Self test • S2: User Input • S3: Shutdown (EPO) C8: ATS
*C6 is factory configurable only	

Mechanical				
	Alpha Micro			
	<table border="1"> <tr> <td>Dimensions</td> <td>mm: 500H x 358W x 294D in: 19.7H x 14.1W x 11.6D</td> </tr> <tr> <td>Weight (w/o batteries)</td> <td>19.7kg (43.4lbs)</td> </tr> </table>	Dimensions	mm: 500H x 358W x 294D in: 19.7H x 14.1W x 11.6D	Weight (w/o batteries)
Dimensions	mm: 500H x 358W x 294D in: 19.7H x 14.1W x 11.6D			
Weight (w/o batteries)	19.7kg (43.4lbs)			
	Alpha Micro XL			
	<table border="1"> <tr> <td>Dimensions</td> <td>mm: 776H x 358W x 294D in: 30.6H x 14.1W x 11.6D</td> </tr> <tr> <td>Weight (w/o batteries)</td> <td>19.7kg (49.8lbs)</td> </tr> </table>	Dimensions	mm: 776H x 358W x 294D in: 30.6H x 14.1W x 11.6D	Weight (w/o batteries)
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Weight (w/o batteries)	19.7kg (49.8lbs)			
	Alpha Micro XL3			
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Dimensions	mm: 1330H x 358W x 294D in: 52.4H x 14.1W x 11.6D			
Weight (w/o batteries)	22.6kg (69.2lbs)			
Environmental				
Temperature Range:	-40 to 74°C (-40 to 165°F)*			
Humidity:	15% to 95% RH non condensing			
Audible Noise @25°C:	<45dBa @ 1 meter (39in)			
Enclosure Rating:	NEMA 3R			
*Derates after 50°C				
Performance				
Typical Output Voltage THD:	<3%			
Typical Efficiency Line Mode:	>98% (resistive load)			
Typical Transfer Time:	<5ms			
Run Time @25°C**:	4 x 56Ah batteries - 1 hrs 45 mins (Micro XL)			
* This applies to the UPS module only. Batteries may require a heater mat at lower temperatures. Output power derates after 50°C				
**Run time on battery power can vary based on loads, temperature and battery. Other battery options are available.				
Agency Compliance				
Electrical Safety:	UL1778, CSA C22.2 No. 107.3; EN62040-1			
Marks:	 			
EMC:	CFR47, Part 15 Subpart B, Class A; CES-003 Class A; EN62040-2			
**CE applies to 230VAC version only				



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