



an EnerSys® company

Alpha® Micro 300-12

UPS and Enclosure



- Compact, integrated UPS system designed to operate in extreme environments
- Provides maximum flexibility while ensuring critical loads remain protected and running during power outages and other power disturbances
- 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 RS232 port and optional Ethernet SNMP interface
- A wide operating temperature range of -40 to 60°C (-40 to 140°F) is suitable for most OSP operating environments¹
- Can power up to four (4) loads, up to 50W each while occupying a small 20" x 14" footprint
- Temperature compensated battery charging protects batteries from overcharging at extreme temperatures, extending the life of the battery

The Alpha® Micro Series provides constant, reliable backup power for Outside Plant, 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® 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.

1. This applies to the UPS module only. Batteries may require a heater mat at lower temperatures. Output power derates after 60°C.

Alpha® Micro 300-12 UPS and Enclosure

P/N: 017-237-27***

Electrical	
Battery String Voltage:	24VDC
Input	
Nominal Voltage:	120VAC
Nominal Frequency:	60Hz
Current:	3.6A nominal, 5.4A max
Voltage Range:	85 to 175VAC
Output	
Voltage:	12VDC
Current:	16Adc (4 x 4A)
Voltage Regulation:	±1.5%
Power @ 50°C:	200W (4 x 50W)
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:	2x Programmable NO/NC (250VAC, 1A), 3x User inputs, ATS
Factory Default:	<ul style="list-style-type: none"> • C1: On Battery • C2, C3: Low Battery • C4: Load Shed Timer 1 • C5: Alarm • C6*: 24VDC @ 500mA • C7: User Inputs • C8: ATS • S1: Self test • S2: User Input • S3: Shutdown(EPO)
Performance / Features	
Run time**:	2 x 100XTV (56Ah) >2 hrs @ 25°C

Mechanical				
	Alpha Micro			
	<table border="1"> <tr> <td>Dimensions:</td> <td>mm: 500H x 358W x 294D inches: 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 inches: 19.7H x 14.1W x 11.6D	Weight (w/o batteries):
Dimensions:	mm: 500H x 358W x 294D inches: 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 inches: 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 inches: 30.6H x 14.1W x 11.6D	Weight (w/o batteries):
Dimensions:	mm: 776H x 358W x 294D inches: 30.6H x 14.1W x 11.6D			
Weight (w/o batteries):	19.7kg (49.8lbs)			
	Alpha Micro XL3			
	<table border="1"> <tr> <td>Dimensions:</td> <td>mm: 1330H x 358W x 294D inches: 52.4H x 14.1W x 11.6D</td> </tr> <tr> <td>Weight (w/o batteries):</td> <td>22.6kg (69.2lbs)</td> </tr> </table>	Dimensions:	mm: 1330H x 358W x 294D inches: 52.4H x 14.1W x 11.6D	Weight (w/o batteries):
Dimensions:	mm: 1330H x 358W x 294D inches: 52.4H x 14.1W x 11.6D			
Weight (w/o batteries):	22.6kg (69.2lbs)			
Agency Compliance				
Electrical Safety:	UL1778, CSA 22.2 No. 107.3			
Marks:				
NEMA:	3R			
<p>* C6 is factory configurable only **Runtime is contingent upon load profile, battery age and ambient temperature. ***Batteries not included. For XL and XL3 configurations, consult your Alpha representative.</p>				



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