

an EnerSys company

Micro 100

Rugged UPS System



- Integrated, compact rugged UPS featuring all weather protection with durable outdoor NEMA 3R rated plastic enclosure
- Enhanced battery life with wide-range Automatic Voltage Regulation
- Local monitoring and control through USB port or remotely via SNMP Ethernet interface¹
- Independently programmable relays allow monitoring and controlling of key functions
- Simplified troubleshooting through event and alarm logging with time and date stamping
- Maximum mounting flexibility for accommodation of space requirements²
- Magnetic circuit breakers at input and battery for additional protection

The Micro 100 is a superior outdoor rated uninterruptible power supply/backup power solution that supports loads up to 100W.

Protected by an outdoor rated (NEMA 3R) enclosure, the Micro 100 operates in the most severe weather conditions. With standard wall mounting or optional pole mounting kit, the installation for the Micro 100 is quick and easy due to the small compact design and light weight. Advanced communications via the USB port or optional Ethernet SNMP interface provides local or remote monitoring and control. Two programmable dry contact relays allow monitoring,

controlling and reporting of key functions. The Automatic Voltage Regulator (AVR) with a wide input voltage range, supplies continuous output power even during utility voltage surges or sags, as well as minimizes transfers to battery power, thus reducing battery use and extending battery life.

The Micro 100 includes four 9Ah batteries and is available in either 120Vac or 230Vac models, each having automatic 60Hz/50Hz frequency sensing.



1. SNMP card is optional
2. Mounting bracket for pole mount sold separately

Micro 100 Outdoor UPS System

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Consult your Alpha representative for P/N configurations

Electrical	
North America	
Battery String Voltage:	24Vdc
Input:	Nominal Voltage: 120Vac Nominal Frequency: 60Hz
Current:	2.0A (@ nominal voltage and max battery charging current)
Voltage Range:	85 to 150Vac
Output:	Voltage: 120Vac Current: 0.83A @ 120Vac
Power at 50°C:	100 W/VA Total
International	
Battery String Voltage:	24Vdc
Input:	Nominal voltage: 230Vac Nominal frequency: 50Hz
Current:	1.0A (@ nominal voltage and max battery charging current)
Voltage Range:	Output: 154 to 323Vac Voltage: 230Vac
Current:	0.43A @ 230Vac
Power at 50°C:	100 W/VA Total
Communication Interface	
Ports:	USB-B Female: Local Communication
Optional RJ45:	Remote Communication
Indicators:	Green & Red LED's
Solid Green:	Line Mode
Flashing Green:	Inverter Mode
Flashing Red:	Alarm Solid Red: Fault
Dry Contacts:	2 x Programmable NO/NC (250Vac, 1A)
Factory Default:	C1: On Battery C2: Low Battery

Mechanical	
Dimensions:	mm: 292H x 381W x 152D inches: 11.5H x 15W x 6D
Weight (4 x 9Ah batteries):	20.4kg (45lbs)
Environmental	
Temperature*:	-40 to 50°C (-40 to 122°F)
ROHS Compliance:	Yes excluding batteries**
Enclosure Rating:	NEMA 3R/IP53
Performance	
Typical Output Voltage THD:	<3% (inverter mode)
Typical Efficiency:	>96% (resistive load)
Typical Transfer Time:	<5ms
Run Time***:	20W - 6 hrs 50W - 3 hrs 30 min 70W - 2 hrs 40 min 100W - 2 hrs
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
<p>*Requires heater mat at lower temperatures **Batteries exempt as per Directive 2006/66/EC ***Using 4 x 9Ah batteries @ 25°C ****CE applies to 230Vac version only</p>	

