

Power

Micro Secure 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 RS-232 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 Secure 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 Secure operates in the most severe weather conditions. With standard wall mounting or optional pole mounting kit, the installation for the Micro Secure is quick and easy due to the small compact design and light weight. Advanced communications via the RS-232 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 Secure 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 Secure 100 Outdoor UPS System

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

Voltage range:85 to 150Vac

Output:

Voltage:Dual 24Vac and 120Vac

Current:.....4.20A @ 24Vac

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

Voltage range: 154 to 323Vac

Output:

Voltage:Dual 24Vac and 230Vac

Current:.....4.20A @ 24Vac

0.43A @ 230Vac

Power at 50°C: 100 W/VA Total

Mechanical

Dimensions:

mm:.....292H x 381W x 152D

inches:..... 11.5H x 15W x 6D

Weight

(with 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

Performance

Typical output voltage THD: <3% (inverter mode)

Typical efficiency:.....>96% (resistive load)

Typical transfer time:.....<5ms

Run time***:.....2 hrs 15 mins @ full load

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

*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