

# Power

## Micro Secure 100

UPS System



Micro Secure 100

- 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 or remote monitoring and control through RS-232 port or (optional) SNMP Ethernet interface
- Independently programmable relays allow tracking and controlling of key functions
- Simplified troubleshooting through event and alarm logging with time and date stamping
- Maximum mounting flexibility for accommodation of space requirements<sup>1</sup>

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 even during utility voltage surges or sags. The Micro Secure's automatic voltage regulation prevents frequent 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. Mounting brackets for pole mount sold separately.



## Micro Secure 100 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 current:.....0.83A @ 120Vac  
4.2A @ 24Vac

#### > International

Battery string voltage:.....24Vdc

#### Input:

Nominal voltage: .....230Vac

Nominal frequency:.....50Hz

Current:.....1.0A

Voltage range: .....154 to 323Vac

#### Output current:

4.2A @ 24Vac: .....0.43A @ 230Vac

### 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

#### Operating

temperature range\*:.....-40 to 50°C (-40 to 122°F)

Audible noise @ 25°C:.....45dBa @ 1 metre (39in)

### Performance

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

### Agency Compliance

Electrical safety:.....UL1778, CSA 22.2 No. 107.1

Marks: .....CSA<sub>US</sub>, CE\*\*\*

EMI:.....Class A FCC/CISPR, EN50091-1-2,  
EN60950

NEMA:.....3R

\*Mounting brackets sold separately

\*\*Using 4 x 9AH batteries @ 25°C.

\*\*\*CE applies to 230 Vac version only