

Power

Novus Micro Secure 100

Indoor & Outdoor UPS



- > Durable outdoor NEMA 3R rated plastic enclosure protects the Novus Micro Secure 100 from severe weather
- > Wide range Automatic Voltage Regulation without going to batteries protects and extends battery life, even during periods of surge or sag in voltage from utility power
- > External communications via RS-232 port or (optional) SNMP Ethernet interface provides local or remote monitoring and control
- > Two independently programmable and report relays allow tracking and/or controlling of key functions
- > A wide operating temperature range of -40 to 50°C (-40 to 122°F) is suitable for the most extreme operating environments

The Novus Micro Secure 100 provides constant, reliable backup power for such applications as Security Cameras, Surveillance Systems, Small Key Systems, WiFi equipment and Outdoor Lighting. It comes in a NEMA 3R rated outdoor plastic enclosure for severe weather conditions. It can be wall mounted or pole mounted¹ to allow positioning close to the load. The Automatic Voltage Regulator (AVR) provides power stability in unpredictable environments and constant voltage during varied power conditions. The Novus Micro Secure is available in either North American (120V/60Hz) or International (230V/50Hz) variants.

¹Mounting brackets sold separately

Novus Micro Secure 100

Nominal Specifications

Power Module	Novus Micro Secure 100	
	North America	International
Nominal Voltage	120VAC	230VAC
Nominal Frequency	60/50Hz Auto	60/50Hz Auto
Input Current	2A	1A
Output Current	4.2A @ 24VAC 0.83A @ 120VAC	0.43A @ 230VAC
Output Power	100W/VA	100W/VA
Battery String Voltage	24VDC	24VDC

General Specifications

Performance

Input Voltage Range North America	85 to 150V
Input Voltage Range International	154 to 323V
Output Voltage Range North America	108 to 132V
Output Voltage Range International	207 to 253V
Voltage Waveform	Sine wave
Typical Efficiency (full resistive load)	>85%
Total Harmonic Distortion	<3%
Typical Transfer Time	3 to 5ms
Audible Noise @ 1m	<40dBA

Mechanical Specifications

Width (in/mm)	12/305
Height (in/mm)	15/381
Depth (in/mm)	6/153
Weight (lb/kg)	25/11.3 without batteries 50/22.7 with 4 batteries

Environmental Specifications

Operating Temperature	-40 to 50°C (-40 to 122°F)
Storage Temperature	-40 to 75°C (-40 to 168°F)
Operating Altitude	12,000ft
Operating Humidity	Up to 95% non-condensing

Standard Features

Durable Outdoor NEMA 3R enclosure
Wide range Automatic Voltage Regulation
Communications via RS-232 port or (optional) SNMP Ethernet interface

Agency Compliance

Electrical Safety: UL1778, CSA 22.2 No. 107.1
Marks: CSA_{US}
EMI: Class A FCC/CISPR

Battery Runtimes (hh:mm)*

	4 x 9Ah
25W	7:11
50W	6:25
75W	3:55
100W	2:35

* Battery runtime may vary according to type of load, age of batteries, operating temperature and other related factors.

The Novus Micro Secure comes standard with 4 x 9Ah batteries.