



Novus 2 Outdoor Power Supplies



Complete conditioning & backup ensures clean, reliable power.

Protection for outdoor installations and parking applications.

Pole, host and pedestal mounting configurations.

Intelligent boost operation provides stable output during low voltage conditions.

Weather-resistant enclosure and components ensure performance.

More than 500,000 power installations worldwide.

The Novus 2 is a reliable, outdoor adaptation of Alpha's proven line interactive UPS systems. It is available in three different mounting configurations and a rugged, outdoor, lockable housing. Advanced features include the Intelligent Boost Operation for stable output during low voltage or brownout conditions. Full status monitoring, relay output control signals, and optional RS-232 / ASCII communications provide added flexibility and security.

Nominal Specifications

Power Module	Input/Output Voltage (VAC)	Input/Output Frequency (Hz)	Input Current (A)	Input Voltage Variation
50Hz	230	50	6.0	-23% to +17%
60Hz	120	60	12.0	-23% to +17%

Applications

Novus Power Systems are available in three different mounting configurations providing effective backup power for a wide variety of powering applications, including:

Telecommunications
Public Utility Equipment
Access Control
Security

Standard Features

Transient voltage protection rom damaging line spikes.
Low harmonic AC Sine wave Output.
Intelligent boost operation for brownout protection.
Noise suppression, FCC Class A.
Multiple mounting configurations.
Rugged, outdoor weather resistant construction.
Lockable enclosure.
UL/CSA listed.

General Specifications

Output:

Output Power	1250VA
Active Output Power	875W
Output Voltage Regulation	±5%
Voltage Waveform	sine
Typical Efficiency	95 - 97%
Typical Output Voltage THD	<4%
Transfer Time	2ms

Battery Charger:

Max Charge Current (ADC)	3.5
Typical Battery Run Time	1 to 2 hours
Typical Battery Recharge	5 hours

Environment:

Operating Temperature	-35°C to +45°C
Audible Noise at 1m	<32dba

Agency Compliance:

Lightning / Surge Protection:	Passes ANSI/IEEE C.62.41/C.62.45 Cat A & B
Safety:	EN50091-1
Low Voltage:	EN50091-2

Mechanical:

Width (mm / in)	216 / 8.5
Height (mm / in)	660 / 26
Depth (mm / in)	216 / 8.5
Weight (kg / lbs)	30 / 68
Finish	Powder coat over galvanized steel

Communications & Alarms

Form C dry relay contacts close on low battery
RS-232 / ASCII status port (optional)
LED indicator for on-line, on battery, low battery, overload & fault

Power Conditioning

Intelligent boost operation increases output voltage 12% if input voltage falls between -17% to -23% of nominal.

Mounting Options

Pole and Wall Mounting

Hardware for pole and wall mounting allows flexible installation configurations.

Host Equipment Mounting

Bracket hardware and conduit knockouts are standard features which simplify mounting on host equipment.

Pedestal Mounting

An optional pedestal mount places the Novus Power System near the equipment it protects.