



Novus XT Outdoor Power Supplies



- Durable, outdoor design NEMA 3R weather-resistant enclosure.
- Complete system ensures clean, reliable power for revenue-generating equipment.
- Simple, flexible installation options for pole, wall and pedestal configurations.
- Critical backup power for enhanced network reliability.
- Maintenance bypass feature allows easy and efficient battery and UPS replacement.
- Intelligent boost operation provides stable output during low voltage conditions.
- Alpha's proven reliability more than 500,000 power installations worldwide.
- Wide temperature range -40°C to $+50^{\circ}\text{C}$.

Novus XT power systems are designed to provide critical AC backup power for cellular, microcell and picocell stations during utility outages. Both four and eight battery systems are available, as well as generator options for extended runtime applications. The Novus XT also works to protect equipment from the surges and spikes present in normal utility power. Temperature-compensated charging maximizes battery life in the harsh, outside plant environment.

Standard Features

Hot-swappable Input / Output Surge Protection
 Intelligent boost operation for brownout protection
 Hot-swappable UPS and batteries
 Noise suppression, FCC Class A
 Multiple mounting configurations
 Rugged, outdoor weather resistant construction
 Lockable enclosure
 NRTL / CSA approved

General Specifications

Output:

Output Voltage Regulation	±5%
Waveform	sine
Typical Efficiency	>95%
Typical Output Voltage THD	<5%
Typical Transfer Time	2 ms typical
Audible Noise at 1m	<55dbA

Environment:

Operating Temperature	-35°C to +50°C
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Agency Compliance:

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

Enclosure Specifications

	4-Battery	8-Battery
Width* (mm / in)	610 / 24	914 / 36
Height (mm / in)	914 / 36	965 / 38
Depth (mm / in)	56 / 14	356 / 14
Weight** (kg / lbs)	158 / 350	324 / 715
Finish	Powder coat white over aluminum	

* Backup time depends on load, battery and operating temperature.
 Optional DC generator provides up to 100 hours.
 ** Weight dependant upon internal battery choice.

Power Modules

Novus XT power modules are available in two power ratings – 1250VA and 2000VA. Power module selection should be based on needed output power rating and backup time requirement.

1250VA Power Module	50Hz	60Hz
Input / Output Voltage nominal	230VAC	120VAC
Input / Output Frequency nominal	50Hz	60Hz
Input Current	10A	20A
Input Voltage Variation	177-258VAC	92-135VAC
Output Power	1250VA	1250VA
Active Output Power	875W	875W
Typical Efficiency	>95%	>95%
Max Charge Current	6 Amps	6Amps
Battery Backup Time*	2 - 8hrs	2 - 8hrs

2000VA Power Module	50Hz	60Hz
Input / Output Voltage nominal	230VAC	208/240VAC
Input / Output Frequency nominal	50Hz	60Hz
Input Current	15A	15A
Input Voltage Variation	150-300VAC	150-300VAC
Output Power	2000VA	2000VA
Active Output Power	1500W	1500W
Typical Efficiency	>95%	>95%
Max Charge Current	10 Amps	10 Amps
Battery Backup Time**	2 - 16hrs	2 - 16hrs

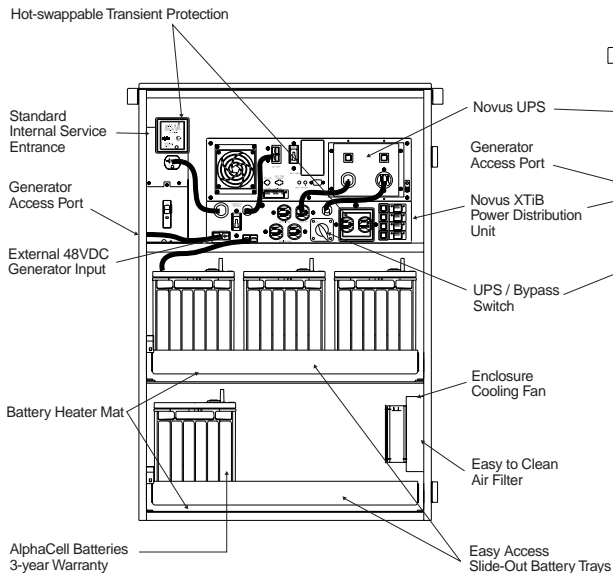
Communications & Alarms

DB-9 compatible connector / RS-232 interface capable of monitoring, controlling, and calibrating the UPS, using ASCII commands with terminal emulation software. External Alarm Signal with relay contacts for a) line fail, b) low battery warning, c) UPS needs service.

Brownout Protection

Boost mode increases voltage by 12% of nominal line voltage if input voltage falls below 12% of nominal.

4-Battery System



8-Battery System

