



# Power

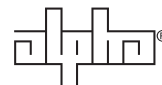
## Novus XT Series

Outdoor UPS System



- Telcordia, Seismic Zone-4 approved NEMA 3R outdoor weather-resistant enclosure
- Complete conditioning & reliable backup power for critical revenue-generating equipment
- Simple, flexible installation options for pole, wall and pedestal configurations
- Maintenance bypass feature allows easy and efficient battery and UPS replacement
- Wide temperature range -40—+50°C with full solar load
- Over one million Alpha power installations worldwide

Alpha's Novus XT Series power systems provide critical power protection to outside plant communication applications. Both four and eight battery systems are available, as well as generator options for extended runtime applications. The Novus XT Series 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. Flexible power, runtime and voltage configurations make the Novus XT Series the best choice for outdoor powering applications around the world. Intelligent buck and boost operation provides stable output during high and low voltage conditions.



## Novus XT System

### Standard Features

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

8 Battery System also includes:  
 Telcordia Zone 4 approved with Battery Retention Bar  
 Telcordia salt fog tested, 14 day operational  
 Telcordia approved Door Restraint

### General Specifications

#### Output

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

#### Environment

Operating Temperature: -35 – +50°C

#### Agency Compliance

Lightning/Surge Protection: Passes ANSI/IEEE  
 C.62.41/C.62.45 Cat A&B  
 NEMA 3R

### Enclosure Specifications

Dimensions	4-Battery	8-Battery
Width (in/mm):	24/610	31/788
Height (in/mm):	36/914	37/956
Depth (in/mm):	14/56	16/407
Weight (lb/kg)**:	350/158	812/368
Finish:	Powder coat white over aluminum	

\* Backup time depends on load, battery, and operating temperature.  
 Optional DC Generator provides up to 100Hrs backup.

\*\* Weight dependent upon internal battery choice.

### Power Modules

Novus power modules are available in three power ratings: 1250, 2000 and 2200VA. Power module selection should be based on needed output power rating and backup time

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:	6A	6A
Battery Backup Time*:	2–8Hrs	2–8Hrs

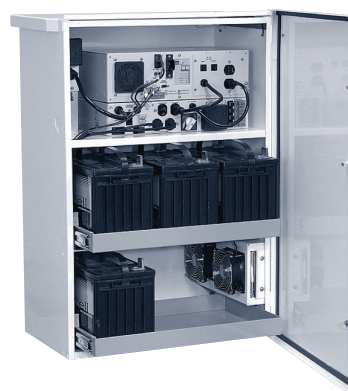
2000VA / 2200VA Power Modules	50Hz	60Hz
Input / Output Voltage nominal:	230VAC	208/240VAC
Input / Output Frequency nominal:	50Hz	60Hz
Input Current:	15A	15A
Input Voltage Variation:	195 – 265VAC	176 – 276VAC
Output Power		
2000VA:	2000VA	2000VA
2200VA:	2200VA	2200VA
Active Output Power		
2000VA:	2000W	2000W
2200VA:	2200W	2200W
Typical Efficiency:	>95%	>95%
Max Charge Current:	10A	10A
Battery Backup Time*:	2 – 16Hrs	2 – 16Hrs

### Communication & 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.

### Highline / Brownout Protection

Buck and Boost mode increases / decreases voltage by 12% of nominal line voltage if input voltage falls above or below 12% of nominal.



4-Battery