

NSB UPL Site Solution

Instant backup
for critical systems



An innovative compact outdoor AC backup solution, with high energy density, designed to ensure uptime.

99.9%
PURE LEAD

INSTANT
BACKUP

PROUDLY
MADE IN THE
USA

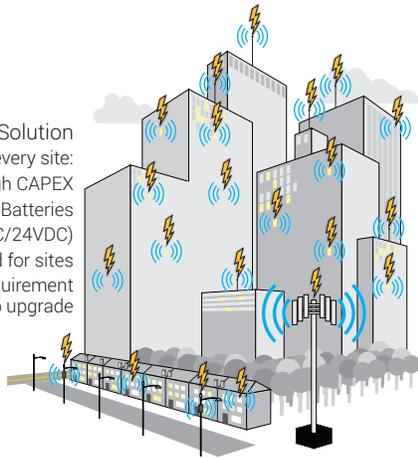
Another innovative solution from NorthStar, the UPL provides instant backup for critical systems, to ensure uptime.

- Compact outdoor AC backup solution
- 7.5 minutes of backup at 500W load ensures critical infrastructure remains operational
- Housed in an advanced NEMA 3R enclosure
- High energy density
- Operating temperature range: -20°C to +50°C (-4°F to 122°F)

- State-of-the-art automated manufacturing ensures consistency and reliability
- Utilizes the NSB 13TT
- Inline installation on existing power line
- Quick and simple installation reduces costs along with low to zero maintenance.
- 115VAC or 230 VAC

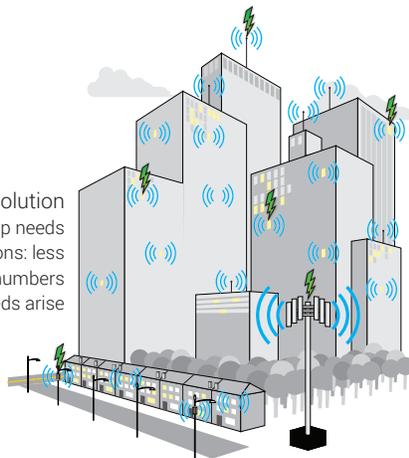
DC Supplied Telecom Solution

- Power Supply on every site: Very high CAPEX
- Needs Multiple Batteries (48VDC/24VDC)
- If AC Power sites are used for sites without backup requirement expensive to upgrade

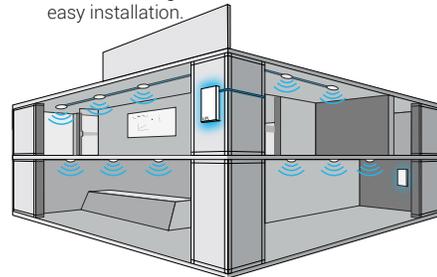


AC Supplied Telecom Solution

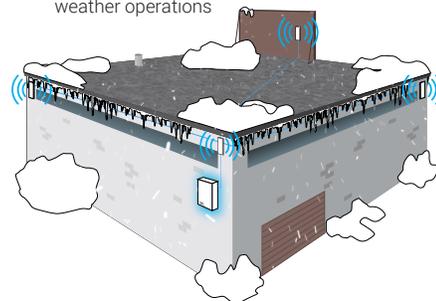
- UPL Only on sites with backup needs
- Buy only AC powered solutions: less part numbers
- Simple upgrade if backup needs arise



- Advanced design accommodates easy installation.



- Close or far placement from UPL. AC cabling has low losses and is much cheaper than DC cables
- Equally suited for indoor and outdoor applications
- Supplies up to 6 units (without external distribution panels)
- Optional Integrated heating system for cold weather operations



- Pole or Wall mounted means zero footprint and added security

Mechanical

Size (width x depth x height)	11.9 x 6.7 x 22.6 in (302 x 170 x 574 mm)
Pole size for pole mounting	3 to 6.5 in (76 to 165 mm) can be extended up to 7 in (178 mm)
Weight complete with NSB13 battery	70 lb (32 kg)
Encapsulation	NEMA 3R (IP45)
Color	RAL 9003

Environmental

Operating temperature range	-4°F* to 122°F (-20°C* to +50°C) *with optional heater
Acoustic noise at standby operation	Inaudible
Acoustic noise at >400W operation	<60dB(A)

Electrical

AC connection 115V AC version	90-130V AC at 60 Hz
AC connection 230V AC version	200-250V AC at 50 Hz
Power consumption: stand by	<10W
AC output	900W at resistive load - pure sine wave at 50/60 Hz
Peak load	1800W (rush current)
Alarm connection	Screw Terminals: 1) Battery operation (AC outage) 2) Out of battery 3) System fault

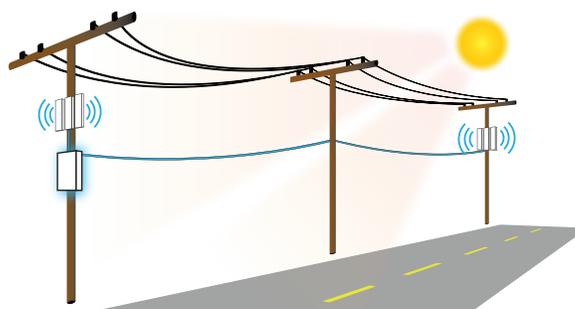
Backup Times at 77°F (25°C)

AC Load	Embedded Battery
350W	12 min
500W	7.5 min
700W	4 min
900W	3 min

Certifications



- Supplies three sectors or more
- Integrated ventilation and advanced PPO ensure operation in warm climates
- Eliminates the need for AC distribution panel
- Does not need to be far up to minimize losses in cable
- Standard surge protector for AC supply



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All NorthStar batteries are compliant with: Telcordia SR4228, IEC 60896; Bellcore GR-63-Core, Issue 1; British, German, and Russian telecom standards; UL approved and UN2800 certified. NorthStar is registered to ISO 9001 and ISO 14001.