

# NSB 12-400 UPS Battery

Designed for mission critical applications



NorthStar's Silver UPS batteries, ideal for use with datacenters and applications where **downtime is not an option.**

- Performance excels at high rates of discharge and recharge
- 10 year float life at 20°C (68°F)
- EUROBAT design life definition: Long Life (12+ years)
- High energy density
- Operating temperature range: -40°C to +65°C (-40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - female M6 brass terminals provide maximum performance
- 2 year shelf life at 25°C (77°F)
- High modulus Polyphenylene Oxide (PPO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
  - Non-halogenated, thermally sealed plastic casing
  - Flame retardant (UL 94 V0) and LOI of at least 28%
- Advanced valve regulated AGM batteries ensure power when it is needed most.
- Approved as non-hazardous cargo for ground, sea, and air transport - DOT 49CFR173.159(d), (i) and (ii)

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## Nominal Technical Specifications



### Electrical

	International Standard 20°C (68°F)	North American Standard 25°C (77°F)
4C (15 min.) Power to 1.67 VPC	378 Watts/cell	403 Watts/cell
Float Voltage	2.29 +/- 0.02 VPC	2.27 +/- 0.02 VPC
Nominal Voltage	12 V	
Impedance (1kHz)	3.3 mΩ @ 25°C (77°F)	
Conductance	1,552 S	
Short Circuit Current	3,900 A	
Shelf Life	2 Years	

### Dimensions

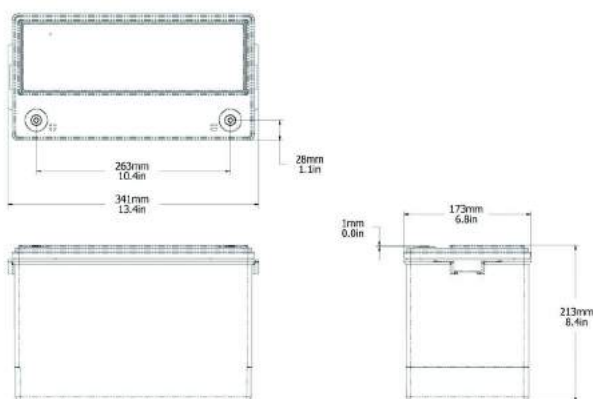
Height	213 mm (8.4 in)	Weight	35 kg (78 lbs)
Width	173 mm (6.8 in)	Terminal	Female M6 x 1.25 Leak Proof
Depth	341 mm (13.4 in)	Terminal Torque	8.0 Nm (71 in-lbs)

### Constant Power Discharge Ratings

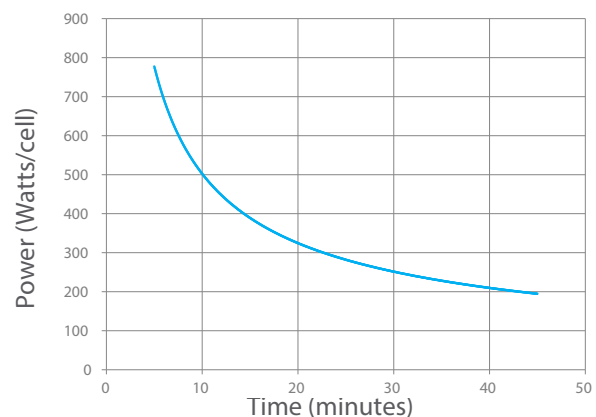
Duration (minutes) (watts/cell @ 25 °C/77 °F)

End of Discharge (Volts)	2	5	10	15	20	30	45	60	120
1.75	943	671	476	378	316	242	181	146	84
1.70	1017	717	502	395	328	248	185	148	84
1.67	1060	742	516	403	334	252	186	149	84
1.65	1088	757	524	408	338	254	187	150	84
1.60	1153	789	539	418	344	258	189	151	85

### Drawings



### Discharge Curve to 1.67 VPC



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