

NSB 12-540FT UPS Battery

Designed for **mission critical** applications



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

- Performance excels at high rates of discharge and recharge
- State-of-the-art automated manufacturing ensures consistency and reliability
- Exceptional performance under deep or shallow cyclic discharge applications
- Designed to withstand and perform under extreme degrees of temperature and pressure
- Advanced 3 stage terminal design to ensure leak-free operation
- Female M8 brass terminals provide maximum performance
- Flame retardant (UL 94 VO) and LOI of at least 28%
- Approved as non-hazardous cargo for ground, sea, and air transport: DOT 49CFR173.159(d), (i) and (ii)



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Technical Specifications



Electrical

	International Standard 20°C [68°F]	North American Standard 25°C [77°F]
4C (15 min) power to 1.67 VPC	506 Watts/cell	540 Watts/cell
Float Voltage	2.29 +/- 0.02	2.27 +/- 0.02
Impedance (1kHz)	3.0 mΩ @ 25°C [77°F]	
Conductance	1848 S	
Nominal Voltage	12 V	
Short Circuit Current	5,300 A	
Shelf Life	2 years	

Dimensions

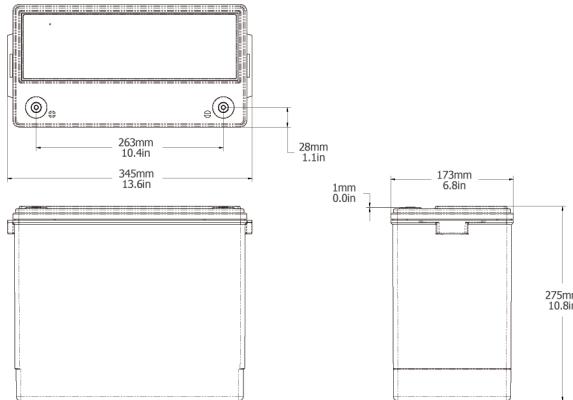
Height	275 mm [10.8 in]	Terminal	Female M6 leak proof
Width	173 mm [6.8 in]	Terminal	8.0 Nm [71 in-lbs]
Depth	345 mm [13.6 in]	Torque	
Weight	44 kg [98 lbs]		

Constant Power Discharge Ratings

Duration in minutes with Watts/cell at 25°C/77°F

End of discharge (Volts)	2	5	10	15	20	30	45	60	120
1.75	1105	836	612	492	415	320	241	195	112
1.70	1190	901	655	523	439	336	252	202	115
1.67	1233	934	678	540	452	345	257	206	116
1.65	1258	954	691	549	460	350	260	208	117
1.60	1304	993	718	569	475	360	266	213	119

Drawings



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

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