

# NSB 13 Silver Battery™

Specifically designed for semi stable mains



Designed for **high power and superior cyclic capability** - built to be reliable, even when the power mains are not.

- High cycle capability, high energy density
- Fast recharge performance
- 10 year float life at 25°C (77°F)
- EUROBAT design life definition: Long Life (12+ years)
- 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
- Operating temperature range: -40°C to +65°C (-40°F to 149°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 and cover
  - Flame retardant (UL 94 V0) 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)
8 hour capacity to 1.75 Volts/Cell	12 Ah	12 Ah
10 hour capacity to 1.80 Volts/Cell	12 Ah	12 Ah
Float Voltage	2.29 +/- 0.02	2.27 +/- 0.02
Nominal Voltage	12 V	
Impedance [1kHz]	8.9 mΩ @ 25°C [77°F]	
Conductance	409 S	
Short Circuit Current	600 A	

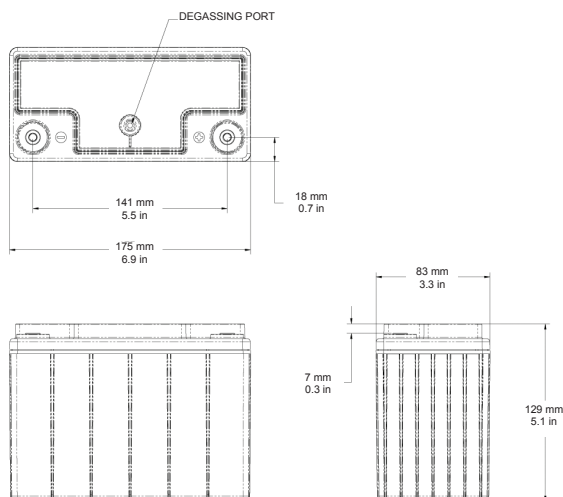
### Dimensions

Height	129 mm [5.1 in]	Weight	6 kg [12 lbs]
Width	83 mm [3.3 in]	Terminal	Female M6 x 1.0
Depth	175 mm [6.9 in]	Terminal Torque	6.0 Nm [53 in-lbs]

### Ah Capacity Ratings @ 25°C (77°F)

Capacity Discharge [hours]	1	2	4	8	10
Capacity @ 25°/Ah	10	11	11	12	12
End of Discharge	1.70	1.75	1.75	1.75	1.80

### Drawings



All NorthStar batteries are compliant with: Telcordia SR4228; IEC 60896; 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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