

NSB 40 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)

Visit our **website** to find out more www.northstarbattery.com



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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	39 Ah	40 Ah
10 hour capacity to 1.80 Volts/Cell	39 Ah	40 Ah
Float Voltage	2.29 +/- 0.02	2.27 +/- 0.02
Nominal Voltage	12 V	
Impedance [1kHz]	5.0 mΩ @ 25°C (77°F)	
Conductance	829 S	
Short Circuit Current	1,600 A	

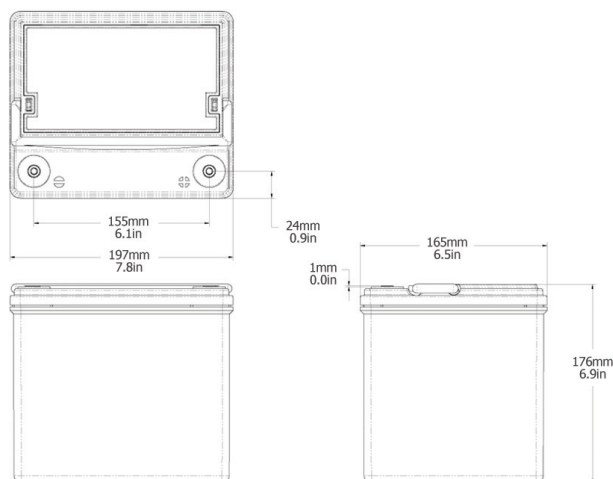
Dimensions

Height	176 mm (6.9 in)	Weight	16 kg (36 lbs)
Width	165 mm (6.5 in)	Terminal	Female M6 x 1.0
Depth	197 mm (7.8 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	30	33	36	40	40
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.

NorthStar in the Americas

NorthStar Battery Company LLC
4000 Continental Way
Springfield, MO, 65803,
United States of America
info@northstarbattery.com
Tel: +1 417 575 8200
Fax: +1 417 575 8250

NorthStar in Europe, Middle East, Africa

SiteTel Sweden AB
Staffans Väg 6-8
Box 7039, SE-192 07 Sollentuna,
Stockholm, Sweden
emea@northstarsitetel.com
Tel: +46 8 410 102 00
Fax: +46 8 638 06 00

NorthStar in Asia-Pacific

SiteTel Shanghai Co Ltd
Building 9, 1201 Gui Qiao Road
Jin Qiao Export Process Zone,
201206 Shanghai, China
asia@northstarsitetel.com
Tel: +86 21 5899 7610
Fax: +86 21 3872 2201