

# Product Data Sheet

## NSB 40 Silver



Specifically designed  
for semi-stable  
mains applications

- Long design life
- High cycling and fast recharge performance
- State of the art manufacturing automation ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak free operation
  - Female M6 brass terminals provide maximum performance
- High modulus polyphenylene plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- Thermally sealed plastic casing and cover
  - Flame retardant (UL 94 VO) and LOI of at least 28%
- Integral handles and front access terminals ensure ease of installation and maintenance
- 2 year shelf life at 25°C (77°F)
- Approved as non-hazardous cargo for ground, sea, and air transport
  - DOT 49CFR173.159(d), (i) and (ii)



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### Technical Specifications

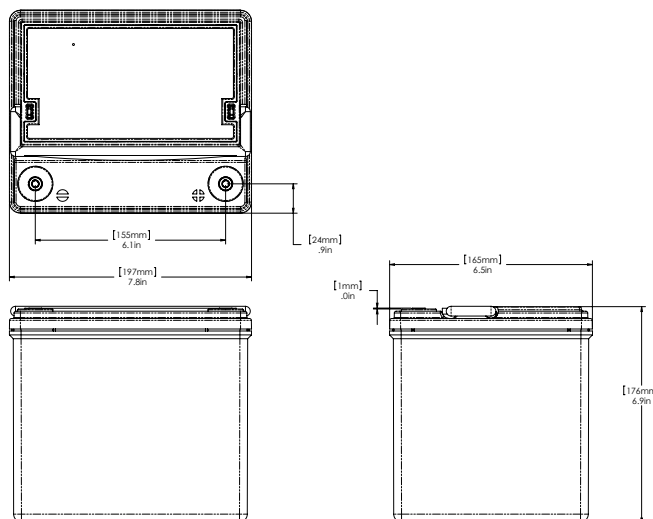
	International Standards 20°C (68°F)	NA Standards 77°F (25°C)
8 hour capacity to 1.75 Volts/Cell	39 Ah	40 Ah
10 hour capacity to 1.80 Volts/Cell	39 Ah	40 Ah
Float Voltage	2.29 +/- 0.02 Volts/Cell	2.27 +/- 0.02 Volts/Cell
Nominal Voltage	12 V	
Impedance (1kHz)	5.0 mΩ @ 25 °C (77 °F)	
Conductance	829 S	
Short Circuit Current	1,600 A	

### Measurements

Height	176 mm (6.9 in)
Width	165 mm (6.5 in)
Depth	197 mm (7.8 in)
Weight	16 kg (36 lbs)
Terminal	Female M6 leak proof
Terminal Torque	6.0 Nm (53 in-lbs)

### Ah Capacity Ratings at 25°C (77°F)

Capacity discharge (hours)	1	2	4	8	10
Capacity @ 25°/Ah	30	33	36	40	40
End of discharge (Volts)	1.70	1.75	1.75	1.75	1.80



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#### All NorthStar products 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 & ISO 14001