

NSB 100FT *Red Battery*[®]

Long float life at elevated temperatures



Red Star Technology[®] uses pure lead plates to deliver exceptionally long float life even at elevated temperatures.

- Pure lead AGM technology delivers long float life for telecom applications even at elevated temperatures
- 15 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 M8 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 VO) and LOI of at least 28%
- Integral handles and front access terminals ensure ease of installation and maintenance
- 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) |
|------------------------------|------------------------------------|-------------------------------------|
| 8 hour capacity to 1.75 VPC | 98 Ah | 100 Ah |
| 10 hour capacity to 1.80 VPC | 99 Ah | 100 Ah |
| Float Voltage | 2.29 +/- 0.02 Volts/Cell | 2.27 +/- 0.02 Volts/Cell |
| Nominal Voltage | 12 V | |
| Impedance [1kHz] | 3.9 mΩ @ 25°C (77°F) | |
| Conductance | 1,298 S | |
| Short Circuit Current | 3,500 A | |

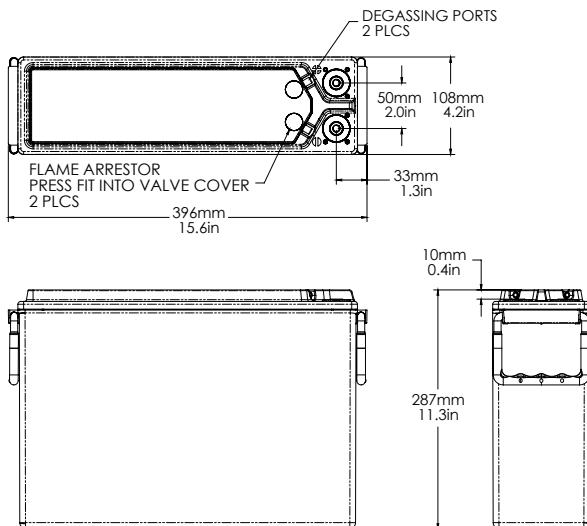
Dimensions

| | | | |
|--------|------------------|-----------------|--------------------|
| Height | 287 mm (11.3 in) | Weight | 33 kg (72 lbs) |
| Width | 108 mm (4.2 in) | Terminal | Female M8 x 1.25 |
| Depth | 396 mm (15.6 in) | Terminal Torque | 8.0 Nm (71 in-lbs) |

Ah Capacity Ratings @ 25°C (77°F)

| Capacity Discharge / hours | 1 | 2 | 4 | 8 | 10 |
|----------------------------|------|------|------|------|------|
| Capacity @ 25°C / Ah | 81 | 88 | 94 | 100 | 100 |
| End of Discharge / VPC | 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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