

NSB 92FT *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 | 90 Ah | 91 Ah |
| 10 hour capacity to 1.80 VPC | 91 Ah | 92 Ah |
| Float Voltage | 2.29 +/- 0.02 VPC | 2.27 +/- 0.02 VPC |
| Nominal Voltage | 12 V | |
| Impedance [1kHz] | 3.7 mΩ @ 25°C [77°F] | |
| Conductance | 1,344 S | |
| Short Circuit Current | 3,200 A | |

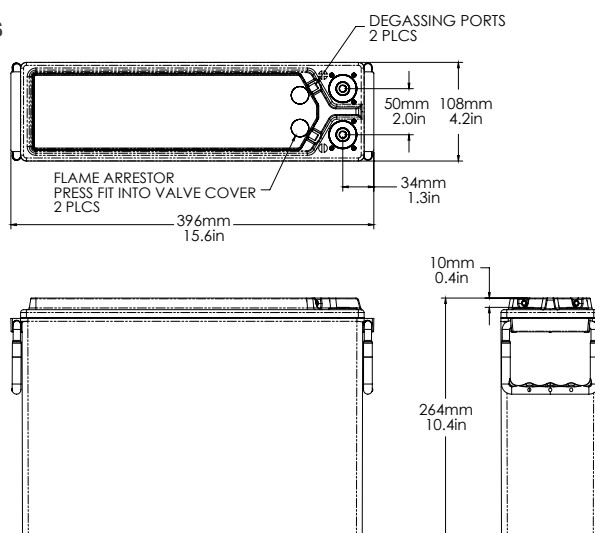
Dimensions

| | | | |
|--------|------------------|-----------------|--------------------|
| Height | 264 mm [10.4 in] | Weight | 30 kg [66 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 | 70 | 77 | 85 | 91 | 92 |
| 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.

NorthStar 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

Netsphere in Thailand

919/431, 36/F, Jewelry Trade Center
Silom Road, Silom Bangrak,
Bangkok 10500 Thailand
sales@netsphere.co.th
Tel: +66 2 630 3368
Fax: +66 2 630 3367

Netsphere in Hongkong

Rm 1203, 12/F, Kwong Sang Hong Centre
No.151-153 Hoi Bun Road
Kwun Tong, Hong Kong
sales@netsphere.com.hk
Tel: +852 2344 3728
Fax: +852 2344 3778

www.netsphere.com.hk

