

# Product Data Sheet

## NSB 12-150FT



Specifically designed  
and engineered for  
mission critical  
applications



- Performance excels at high rates of discharge and recharge
- Advanced automation in manufacturing processes ensure consistency and reliability
- Advanced AGM materials significantly enhance performance and reliability
- Exceptional performance under deep or shallow cyclic discharge applications
- Operational within an extreme temperature range
- Advanced 3 stage terminal design to ensure leak free operation
  - Female M6 brass terminals provide maximum performance
- Thermally sealed PPO plastic casing and cover
  - Flame retardant (UL 94 VO) and LOI of at least 28%
  - Designed to withstand extreme degrees of temperature and pressure
- 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) |
|--------------------------------|-------------------------------------|--------------------------|
| 4C (15 min.) Power to 1.67 VPC | 154 Watts/cell                      | 164 Watts/cell           |
| Float Voltage                  | 2.29 +/- 0.02 Volts/Cell            | 2.27 +/- 0.02 Volts/Cell |
| Impedance (1kHz)               | 5.6 mΩ @ 25 °C (77 °F)              |                          |
| Conductance                    | 789 S                               |                          |
| Nominal Voltage                | 12 V                                |                          |
| Short Circuit Current          | 1,500 A                             |                          |
| Shelf Life                     | 2 years                             |                          |

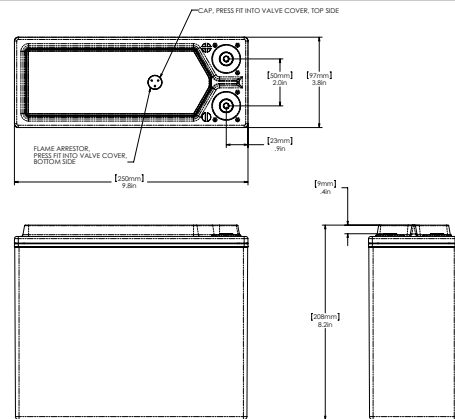
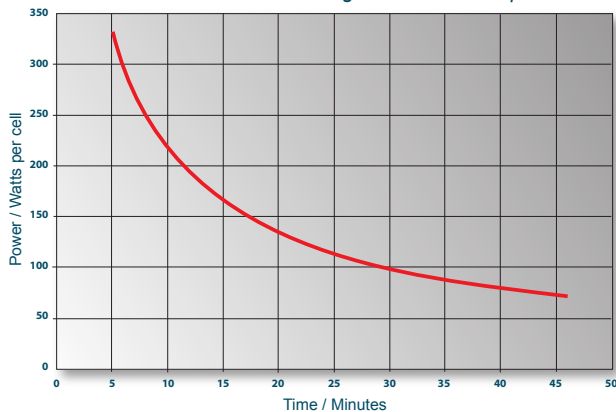
### Measurements

|                 |                      |
|-----------------|----------------------|
| Height          | 208 mm (8.2 in)      |
| Width           | 97 mm (3.8 in)       |
| Depth           | 250 mm (9.8 in)      |
| Weight          | 14 kg (31 lbs)       |
| Terminal Torque | 8.0 Nm (71 in-lbs)   |
| Terminal        | Female M6 Leak Proof |

### Constant Power Discharge Ratings Duration (minutes) (Watts/cell at 25°C/77F)

| End of discharge (Volts) | 2   | 5   | 10  | 15  | 20  | 30  | 45 | 60 | 120 |
|--------------------------|-----|-----|-----|-----|-----|-----|----|----|-----|
| 1.75                     | 485 | 309 | 205 | 157 | 129 | 96  | 71 | 56 | 32  |
| 1.70                     | 527 | 326 | 213 | 162 | 132 | 98  | 72 | 57 | 33  |
| 1.67                     | 549 | 334 | 216 | 164 | 134 | 99  | 73 | 58 | 33  |
| 1.65                     | 562 | 339 | 219 | 166 | 135 | 100 | 73 | 58 | 33  |
| 1.60                     | 591 | 349 | 222 | 168 | 137 | 101 | 74 | 59 | 33  |

NSB12-150FT Discharge Curve to 1.67 vpc



\*For more information please contact NorthStar Battery Customer Service

NorthStar in the Americas  
NorthStar Battery Company LLC  
4000 Continental Way  
Springfield, MO 65803  
USA  
Tel: (+1) 417 575 8200  
Fax: (+1) 417 575 8250  
info@northstarbattery.com  
www.northstarbattery.com

NorthStar in Europe, Africa,  
Middle East  
SiteTel Sweden AB  
Staffans Väg 6-8  
Box 7039  
SE-192 07 Sollentuna  
Sweden  
Tel. +46 8 410 102 00  
Fax. +46 8 638 06 00  
europe@northstarbattery.com

NorthStar in Asia-Pacific  
SiteTel Shanghai Co Ltd  
Building 9, 1201 Gui Qiao Road  
Jin Qiao Export Process Zone  
201206 Shanghai  
China  
Tel. +86 21 5899 7610  
Fax. +86 21 3872 2201  
asia@northstarbattery.com



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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