

# Product Data Sheet

## NSB170FT *Silver Battery*<sup>™</sup>



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 M8 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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# Product Data Sheet

## NSB170FT Silver Battery™



### Technical Specifications

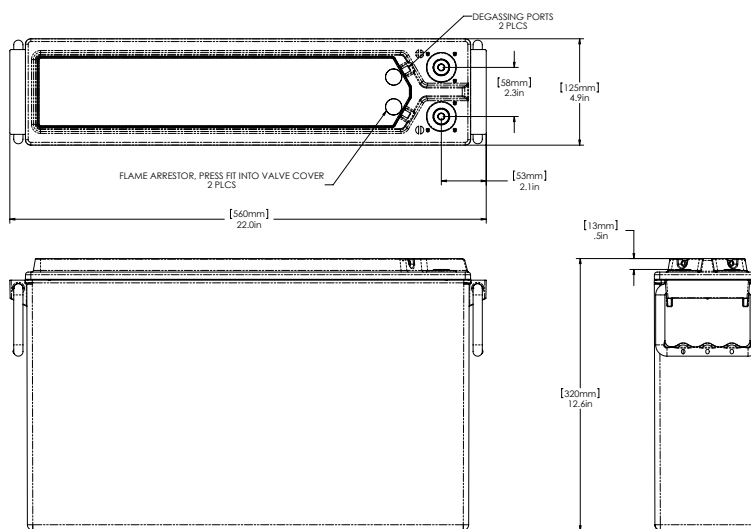
|                                     | International Standards 20°C (68°F) | NA Standards 77°F (25°C) |
|-------------------------------------|-------------------------------------|--------------------------|
| 8 hour capacity to 1.75 Volts/Cell  | 168 Ah                              | 171 Ah                   |
| 10 hour capacity to 1.80 Volts/Cell | 170 Ah                              | 172 Ah                   |
| Float Voltage                       | 2.29 +/- 0.02 Volts/Cell            | 2.27 +/- 0.02 Volts/Cell |
| Nominal Voltage                     | 12 V                                |                          |
| Impedance (1kHz)                    | 2.7 mΩ @ 25 °C (77 °F)              |                          |
| Conductance                         | 2113 S                              |                          |
| Short Circuit Current               | 6,000 A                             |                          |

### Measurements

|                 |                      |
|-----------------|----------------------|
| Height          | 320 mm (12.6 in)     |
| Width           | 125 mm (4.9 in)      |
| Depth           | 560 mm (22.0 in)     |
| Weight          | 58 kg (128 lbs)      |
| Terminal        | Female M8 leak proof |
| Terminal Torque | 8.0 Nm (71 in-lbs)   |

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

| Capacity discharge (hours) | 1    | 2    | 4    | 8    | 10   |
|----------------------------|------|------|------|------|------|
| Capacity @ 25°/Ah          | 125  | 140  | 157  | 171  | 172  |
| 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