

NSB 2-400 *Blue Battery*™

Specifically designed for **unstable mains**



Superior cyclic performance and fast recharge for high potential fuel savings when used with hybrid gensets.

- Ideal for demanding environments with unstable AC power
- 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 and cover
 - Flame retardant (UL 94 V0) and LOI of at least 28%
- Operating temperature range: -40°C to +65°C (-40°F to 149°F)
- High cycling and superior fast recharge performance
- Modified electrochemistry for repeated outages
 - Optimized paste additives and grid alloy
 - Less reliance on full recharge following an outage
 - No need for regular overcharge factor
 - Capable of uncontrolled Partial State of Charge (uPSOC)* operation without loss of capacity

* For a detailed description of uPSOC, please see the *Blue Star Technology*™ section of the Telecom Application Manual

Visit our **website** to find out more www.northstarbattery.com



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Nominal Technical Specifications



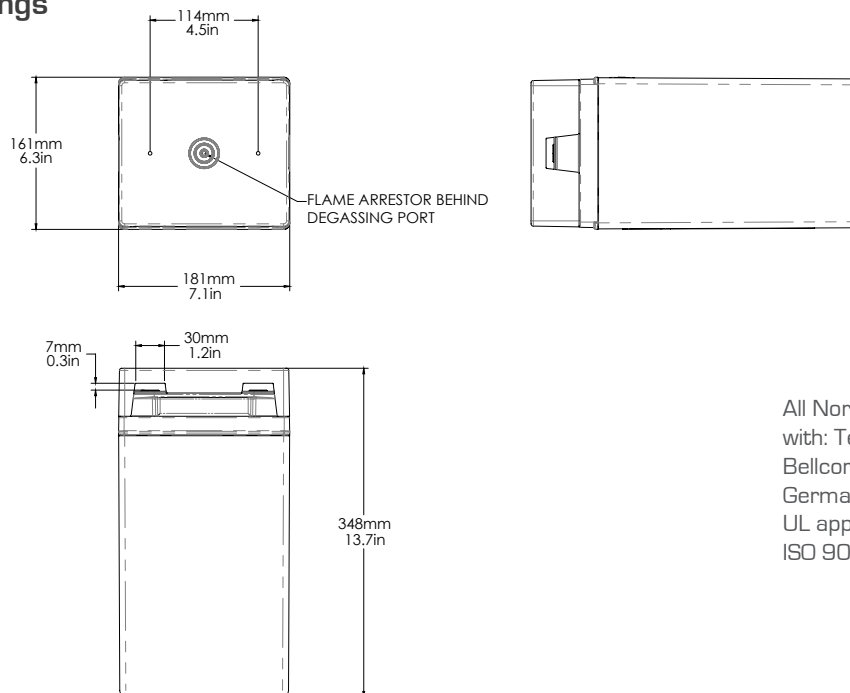
Electrical

| | |
|--|---------------------------------|
| 10 hour capacity to 1.80 VPC @ 25°C (77°F) | 370 Ah |
| 8 hour capacity to 1.75 VPC @ 25°C (77°F) | 371 Ah |
| 10 hour capacity to 1.80 VPC @ 20°C (68°F) | 365 Ah |
| Float Voltage | 2.27 +/- 0.02 VPC @ 25°C (77°F) |
| Nominal Voltage | 2 V |
| Impedance (1kHz) | 0.2 mΩ @ 25°C (77°F) |
| Conductance | 4,445 S |
| Short Circuit Current | 10,000 A |
| Maximum Charge Current | no limit |

Dimensions

| | | | |
|--------|------------------|-----------------|--------------------|
| Height | 161 mm (6.3 in) | Weight | 26 kg (56 lbs) |
| Width | 181 mm (7.1 in) | Terminal | Female M8 x 1.25 |
| Depth | 348 mm (13.7 in) | Terminal Torque | 8.0 Nm (71 in-lbs) |

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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