

# 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



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## Nominal Technical Specifications



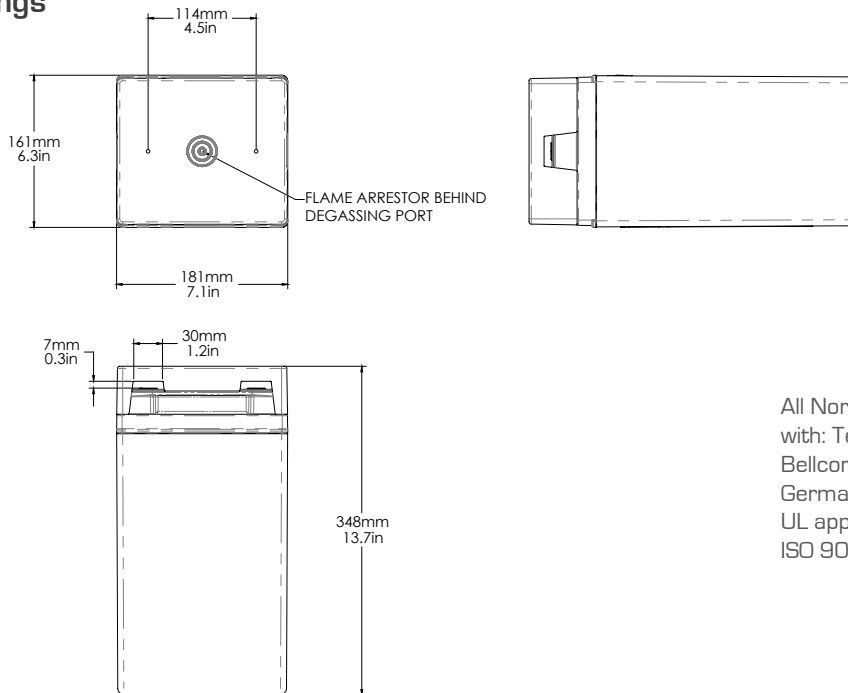
### Electrical

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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