

NSB 100FT *Blue Battery*TM

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 VO) and LOI of at least 28%
- Operating temperature range -40°C to +65°C

- 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*TM section of the Telecom Application Manual



NSB 100FT Blue Battery™

Technical Specifications



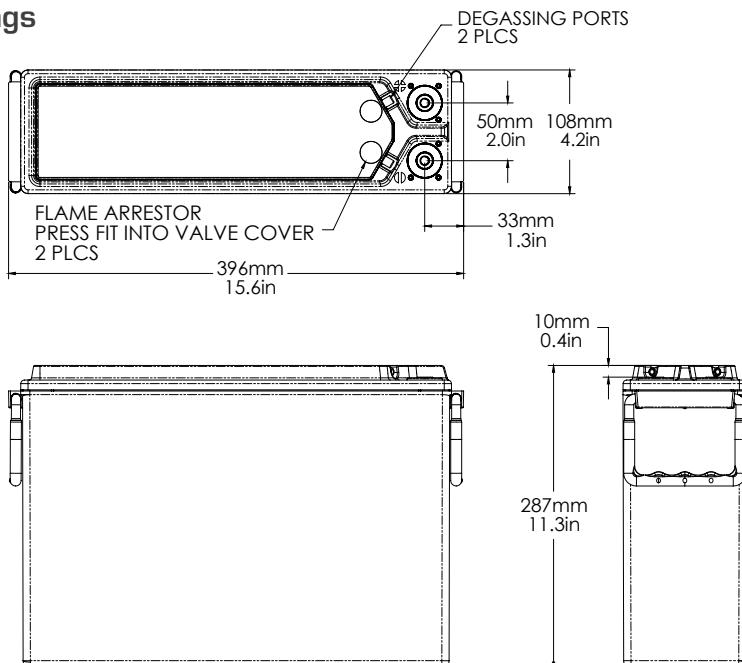
Electrical

10 hour capacity to 1.80 VPC @ 25°C (77°F)	84 Ah
8 hour capacity to 1.75 VPC @ 25°C (77°F)	83 Ah
10 hour capacity to 1.80 VPC @ 20°C (68°F)	82 Ah
Float Voltage	2.27 +/- 0.02 VPC @ 25°C (77°F)
Nominal Voltage	12 V
Impedance (1kHz)	3.7 mΩ @ 25°C (77°F)
Conductance	1,288 S
Short Circuit Current	3,500 A
Maximum Charge Current	no limit

Dimensions

Height	287 mm (11.3 in)	Weight	34 kg (74 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)

Drawings



All NorthStar batteries 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 and ISO 14001.

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