

# NSB 100FT *Blue + Battery*®

Designed for demanding telecom applications



The proven performance of **Blue Star Technology**® now enhanced to deliver **more power, high cycling and fast recharge**

- + 2 year shelf life
- + Ideal for demanding environments with unstable AC power
- + High cycling and fast recharge performance
- + High potential fuel savings when used with hybrid genset applications
- + Modified electrochemistry delivers high capacity and high power density
- + 10 year float life at 25°C (77°F)
- + Operating temperature range -40°C to +65°C
- + High modulus Polyphenylene Oxide (PPO) plastic materials designed to withstand extended elevated operating temperatures
  - Non-halogenated, thermally sealed plastic casing
  - Flame retardant (UL 94 V0) and LOI of at least 28%
- + Partial State of Charge (PSOC) cycling technology



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## Technical Specifications



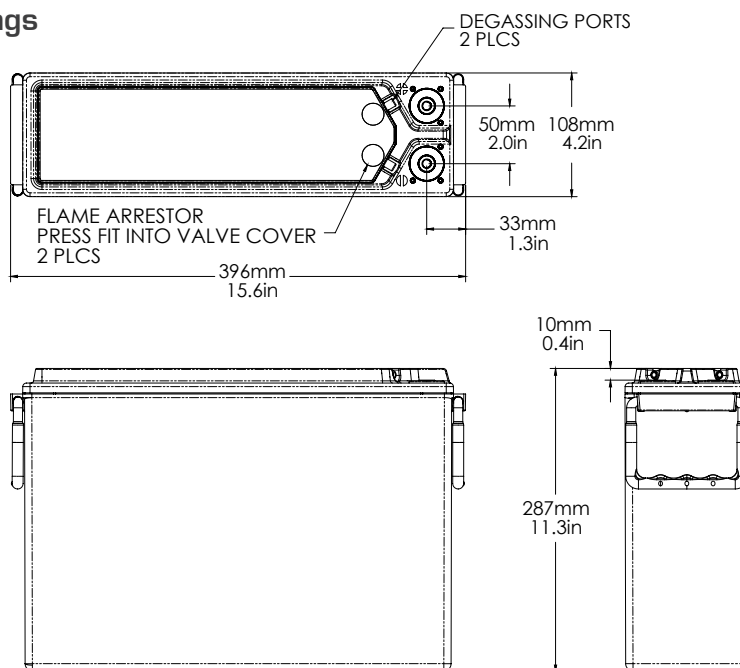
### Electrical

|  |                                 |
|--|---------------------------------|
| 10 hour capacity to 1.80 VPC @ 25°C (77°F) | 100 Ah                          |
| 8 hour capacity to 1.75 VPC @ 25°C (77°F)  | 100 Ah                          |
| 10 hour capacity to 1.80 VPC @ 20°C (68°F) | 99 Ah                           |
| Float Voltage                              | 2.27 +/- 0.02 VPC @ 25°C (77°F) |
| Nominal Voltage                            | 12 V                            |
| Impedance (1kHz)                           | 2.6 mΩ @ 25°C (77°F)            |
| Conductance                                | 1,846 S                         |
| Short Circuit Current                      | 3,500 A                         |
| Maximum Charge Current                     | no limit                        |

### Dimensions

|        |                  |                 |                    |
|--------|------------------|-----------------|--------------------|
| Height | 287 mm (11.3 in) | Weight          | 35 kg (76 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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