

Product Data Sheet

NSB 100 BLUE



Specifically designed
for unstable mains
applications



- Ideal for demanding environments with unstable AC power
- High modulus polyphenylene plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- High performance design life
- 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 running down in capacity

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



Product Data Sheet

NSB 100 BLUE

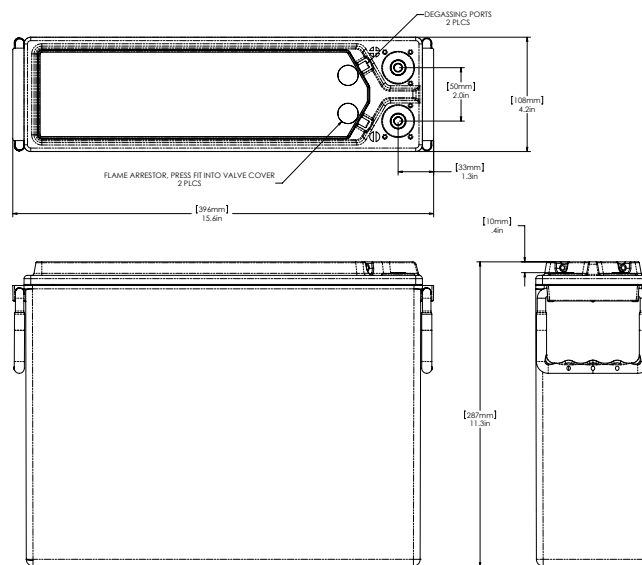


Technical Specifications

20 hour capacity to 1.75 Volts/Cell @ 27 °C	91 Ah
10 hour capacity to 1.80 Volts/Cell @ 25 °C	84 Ah
10 hour capacity to 1.80 Volts/Cell @ 20 °C	82 Ah
Float Voltage	2.27 +/- 0.02 Volts/Cell @ 25 °C
Nominal Voltage	12 V
Impedance (1kHz)	3.5 mΩ @ 25 °C (77 °F)
Conductance	1355 S
Short Circuit Current	3,500 A
Maximum Charge Current	no limit
Container Material	Modified PPO (UL 94 V-0)
Operating Temperature Range	-40°C (-40°F) to 65°C (149°F)

Measurements

Height	287 mm (11.3 in)
Width	108 mm (4.2 in)
Depth	396 mm (15.6 in)
Weight	34 kg (74 lbs)
Terminal	Female M8 leak proof
Terminal Torque	8.0 Nm (71 in-lbs)



NorthStar in the Americas
 NorthStar Battery Company LLC
 4000 Continental Way
 Springfield, MO 65803
 USA
 Tel: (+1) 417 575 8200
 Fax: (+1) 417 575 8250
 info@northstarbattery.com
 www.northstarbattery.com

NorthStar in Europe, Africa,
 Middle East
 SiteTel Sweden AB
 Staffans Väg 6-8
 Box 7039
 SE-192 07 Sollentuna
 Sweden
 Tel. +46 8 410 102 00
 Fax. +46 8 638 06 00
 europe@northstarbattery.com

NorthStar in Asia-Pacific
 SiteTel Shanghai Co Ltd
 Building 9, 1201 Gui Qiao Road
 Jin Qiao Export Process Zone
 201206 Shanghai
 China
 Tel. +86 21 5899 7610
 Fax. +86 21 3872 2201
 asia@northstarbattery.com



Form: SES-542-36-04 Issued: 11-02-10 ECO: 1416-510

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