

# 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
- 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



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### Technical Specifications

20 hour capacity to 1.75 Volts/Cell @ 27 °C	85 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)	3.8 mΩ @ 25 °C (77 °F)
Conductance	1200 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	32 kg (71 lbs)
Terminal	Female M8 leak proof
Terminal Torque	8.0 Nm (71 in-lbs)

