

# Product Data Sheet

## NSB 12-330



Specifically designed  
and engineered for  
mission critical  
applications



- Performance excels at high rates of discharge and recharge
- Advanced automation in manufacturing processes ensure consistency and reliability
- Advanced AGM materials significantly enhance performance and reliability
- Exceptional performance under deep or shallow cyclic discharge applications
- Operational within an extreme temperature range
- Advanced 3 stage terminal design to ensure leak free operation
  - Female M6 brass terminals provide maximum performance
- Thermally sealed PPO plastic casing and cover
  - Flame retardant (UL 94 VO) and LOI of at least 28%
  - Designed to withstand extreme degrees of temperature and pressure
- Approved as non-hazardous cargo for ground, sea and air transport
  - DOT 49CFR173.159(d), (i) and (ii)



# Product Data Sheet

## NSB 12-330



### Technical Specifications

	International Standards 20°C (68°F)	NA Standards 77°F (25°C)
4C (15 min.) Power to 1.67 VPC	278 Watts/cell	297 Watts/cell
Float Voltage	2.29 +/- 0.02 Volts/Cell	2.27 +/- 0.02 Volts/Cell
Impedance (1kHz)	3.8 mΩ @ 25 °C (77 °F)	
Conductance	1242 S	
Nominal Voltage	12 V	
Short Circuit Current	3,000 A	
Shelf Life	2 years	

### Measurements

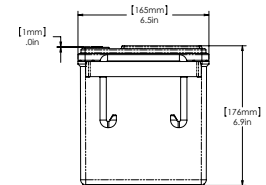
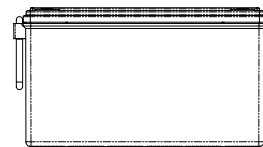
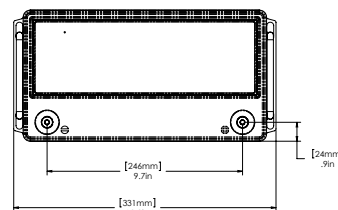
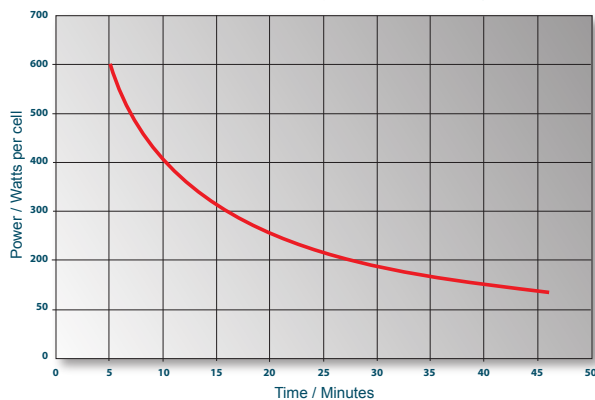
Height	176 mm (6.9 in)
Width	165 mm (6.5 in)
Depth	331 mm (13.0 in)
Weight	27 kg (59 lbs)
Terminal Torque	8.0 Nm (71 in-lbs)
Terminal	Female M6 Leak Proof

\*For more information please contact NorthStar Battery Customer Service

### Constant Power Discharge Ratings Duration (minutes) (Watts/cell at 25°C/77F)

End of discharge (Volts)	2	5	10	15	20	30	45	60	120
1.75	904	563	369	282	231	172	126	100	57
1.70	1006	599	385	292	238	176	129	103	58
1.67	1060	618	393	297	241	178	130	103	58
1.65	1093	629	398	299	243	179	131	104	59
1.60	1160	650	406	304	246	181	132	105	59

NSB12-330 Discharge Curve to 1.67 vpc



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-542-13-03 Issued: 09-27-10 ECO: 1383-S10

#### 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