

Product Data Sheet

NSB 12-180



**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)



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Technical Specifications

	International Standards 20°C (68°F)	NA Standards 77°F (25°C)
4C (15 min.) Power to 1.67 VPC	169 Watts/cell	180 Watts/cell
Float Voltage	2.29 +/- 0.02 Volts/Cell	2.27 +/- 0.02 Volts/Cell
Impedance (1kHz)	5.0 mΩ @ 25 °C (77 °F)	
Conductance	829 S	
Nominal Voltage	12 V	
Short Circuit Current	1,600 A	
Shelf Life	2 years	

Measurements

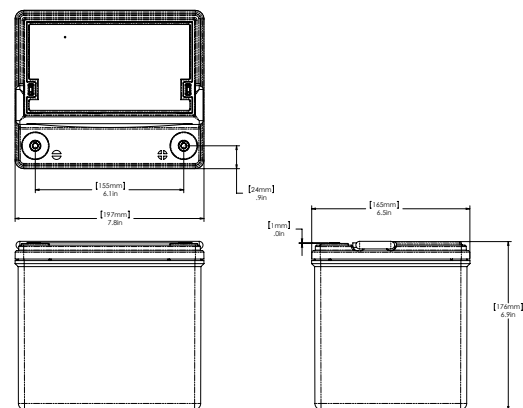
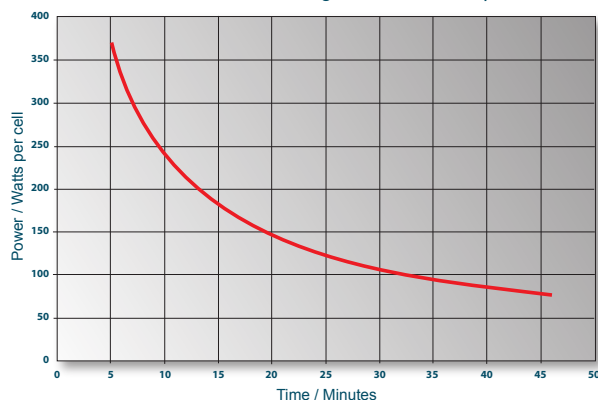
Height	176 mm (6.9 in)
Width	165 mm (6.5 in)
Depth	197 mm (7.8 in)
Weight	16 kg (36 lbs)
Terminal Torque	6.0 Nm (53 in-lbs)
Terminal	Female M6 Leak Proof

*For more information please contact NorthStar Battery Customer Service

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

End of discharge (Volts)	2	5	10	15	20	30	45	60	120
1.75	521	342	226	171	139	103	74	59	33
1.70	571	362	235	177	143	105	76	60	33
1.67	597	373	240	180	145	106	77	60	34
1.65	614	378	242	182	147	107	77	61	34
1.60	647	390	247	184	148	108	78	61	34

NSB12-180 Discharge Curve to 1.67 vpc



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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