

Product Data Sheet

NSB 12-540



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	506 Watts/cell	540 Watts/cell
Float Voltage	2.29 +/- 0.02 Volts/Cell	2.27 +/- 0.02 Volts/Cell
Impedance (1kHz)	3.0 mΩ @ 25 °C (77 °F)	
Conductance	1848 S	
Nominal Voltage	12 V	
Short Circuit Current	5,300 A	
Shelf Life	2 years	

Measurements

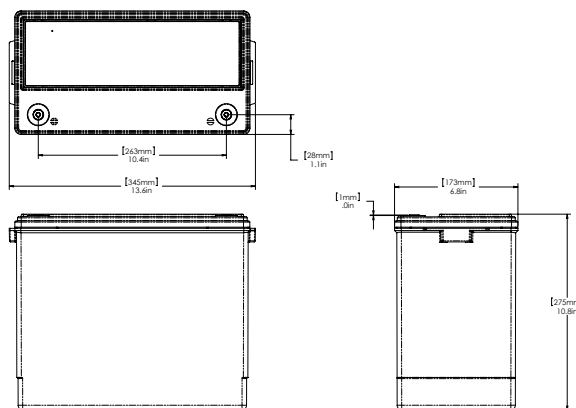
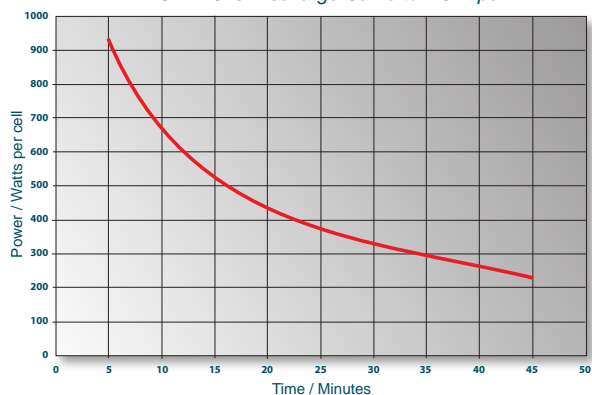
Height	275 mm (10.8 in)
Width	173 mm (6.8 in)
Depth	345 mm (13.6 in)
Weight	44 kg (98 lbs)
Terminal Torque	8.0 Nm (71 in-lbs)
Terminal	Female M6 Leak Proof

*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	1105	836	612	492	415	320	241	195	112
1.70	1190	901	655	523	439	336	252	202	115
1.67	1233	934	678	540	452	345	257	206	116
1.65	1258	954	691	549	460	350	260	208	117
1.60	1304	993	718	569	475	360	266	213	119

NSB12-540 Discharge Curve to 1.67 vpc



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