

Product Data Sheet

NSB 12-380FT



**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 M8 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	388 Watts/cell	414 Watts/cell
Float Voltage	2.29 +/- 0.02 Volts/Cell	2.27 +/- 0.02 Volts/Cell
Impedance (1kHz)	3.4 mΩ @ 25 °C (77 °F)	
Conductance	1452 S	
Nominal Voltage	12 V	
Short Circuit Current	3,500 A	
Shelf Life	2 years	

Measurements

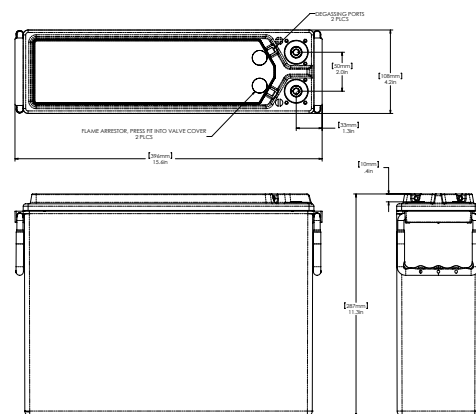
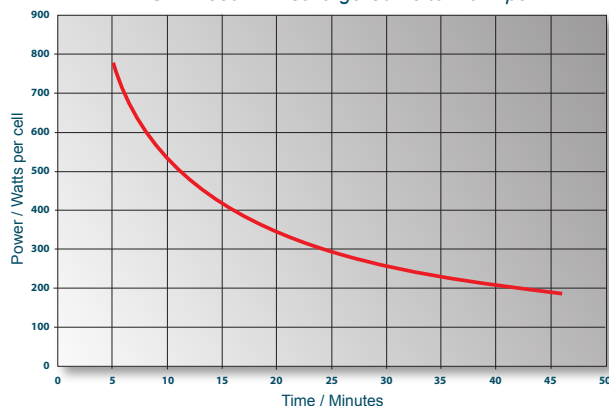
Height	287 mm (11.3 in)	290 mm (11.4 in) (w/Front Terminal Adapter*)
Width	108 mm (4.2 in)	
Depth	396 mm (15.6 in)	415 mm (16.4 in) (w/Front Terminal Adapter*)
Weight	34 kg (74 lbs)	
Terminal Torque	8.0 Nm (71 in-lbs)	
Terminal	Female M8 Leak Proof	Male M8 (w/Front Terminal Adapter*)

*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	1028	711	494	388	322	244	182	146	84
1.70	1102	754	519	405	335	253	187	150	85
1.67	1143	777	532	414	342	257	190	152	86
1.65	1169	791	540	419	346	260	192	153	86
1.60	1226	820	556	430	354	265	195	155	87

NSB12-380FT 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