

Product Data Sheet

NSB 12-590FT



**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	567 Watts/cell	605 Watts/cell
Float Voltage	2.29 +/- 0.02 Volts/Cell	2.27 +/- 0.02 Volts/Cell
Impedance (1kHz)	2.9 mΩ @ 25 °C (77 °F)	
Conductance	1893 S	
Nominal Voltage	12 V	
Short Circuit Current	5,000 A	
Shelf Life	2 years	

Measurements

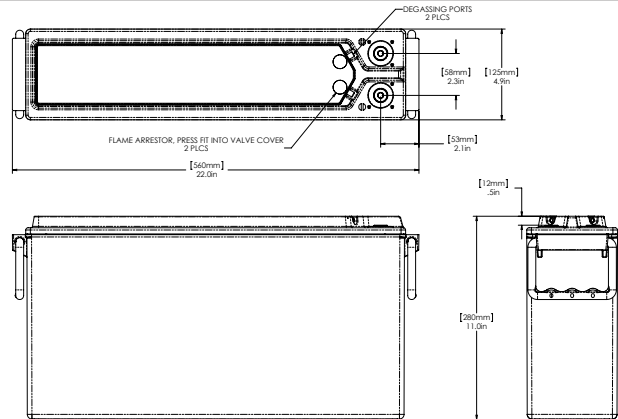
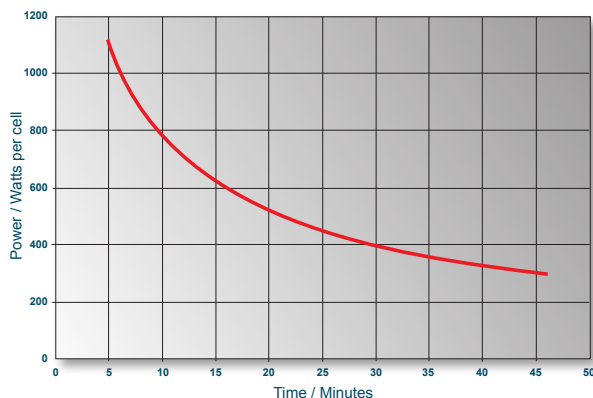
Height	280 mm (11.0 in)	283 mm (11.1 in) (w/Front Terminal Adapter*)
Width	125 mm (4.9 in)	
Depth	560 mm (22.0 in)	
Weight	52 kg (114 lbs)	
Terminal Torque	8.0 Nm (71 in-lbs)	
Terminal	Female M8 Leak Proof	Male M6 (w/Front Terminal Adapter*)

*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	1240	959	704	564	475	364	273	220	126
1.70	1368	1031	744	591	494	376	280	229	128
1.67	1436	1070	765	605	504	383	284	227	129
1.65	1476	1093	778	614	511	386	286	229	130
1.60	1556	1140	805	632	524	394	291	232	130

NSB12-590FT 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