

Pure Lead - High Rate



The NSB UPS Battery[®] delivers superior performance at high discharge rates down to <15 mins.

- Performance excels at high rates of discharge and recharge
- Pure lead electrochemistry greatly increases temp and corrosion resistance while reducing component aging
- Thin plates deliver large surface area high power density and low resistance
- Design life 15+ years at 20°C (68°F)
- EUROBAT design life definition: Very Long Life (12+ years)
- High modulus Polyphenylene Oxide (PPO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- Flame retardant (UL 94 V0) and LOI of at least 28%
- High energy density
- Operating temperature range -40°C to +65°C (-40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - brass terminals provide maximum performance
- Non-halogenated thermally sealed plastic casing
- Approved as non-hazardous cargo for ground, sea and air transport DOT 49CFR173.159(d), (i) and (ii)

NSB 12-365RT

Nominal Technical Specifications

Electrical

Terminal	Female M8 x 1.25	Terminal torque	8.0 Nm (71 in-lbs)
4C (15min) power to 1.67 VPC	365 Watts/Cell	Float voltage	2.27 VPC
Shelf life	up to 24 months	Conductance	1808 S
Impedance (1Khz)	3.2 mΩ @ 25°C (77°F)	Short circuit current	3200 A
Operation temperature range	-40°C to +65°C	Nominal voltage	12 V
Silver equivalent	NSB 12-420FT	Capacity	W/cell (15 min)

Dimensions

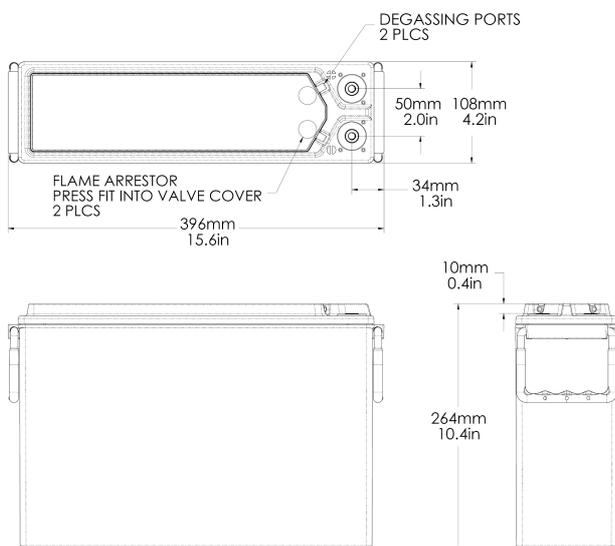
Height	10.4 in	Width	4.2 in
Length	15.6 in	Weight	73 lbs

Constant Power Discharge Ratings (WPC @ 25°C/77°F)

Duration (minutes) (watts/cell @ 25°C/77°F)

End of discharge (Volts)	2 min	5 min	10 min	15 min	20 min	30 min	45 min	60 min	120 min
1.75	830	620	441	346	287	216	159	126	70
1.70	916	660	460	359	296	221	161	128	71
1.67	964	682	471	365	300	224	169	129	71
1.65	994	696	477	369	303	225	164	129	71
1.60	1059	725	491	377	308	228	166	131	72

Technical Drawing



All NorthStar batteries are compliant with: Telcordia SR4228, IEC 60896; Bellcore GR-63-Core, Issue 1; British, German, and Russian telecom standards; UL approved and UN2800 certified. NorthStar is registered to ISO 9001 and ISO 14001.

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