Pure Lead - High Rate

99.9% PURE LEAD

15 YRS FLOAT LIFE

PROUDLY MADE IN THE USA

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 VO) 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)

Release date: 2019-05-01

NSB 12-245RT
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	248 Watts/Cell	Float voltage	2.27 VPC
Shelf life	up to 24 months	Conductance	1588 S
Impedance (1Khz)	2.82 mΩ @ 25°C (77°F)	Short circuit current	2100 A
Operation temperature range	-40°C to +65°C	Nominal voltage	12 V
Silver equilvalent	NSB 12-225FT	Capacity	W/cell (15 min)

Dimensions
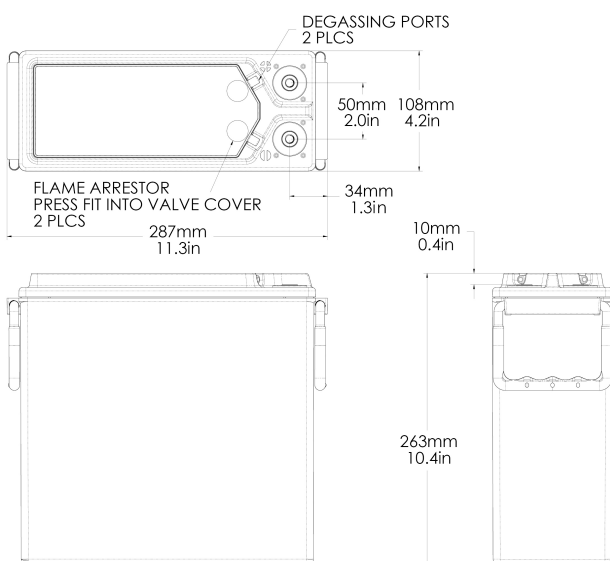
Height	10.4 in	Width	4.2 in
Length	11.3 in	Weight	49 lbs

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	643	447	305	236	193	144	105	83	46
1.70	700	474	319	244	199	147	107	84	46
1.67	731	488	325	248	202	149	107	85	46
1.65	750	497	329	250	204	149	108	85	46
1.60	794	515	338	255	207	151	109	85	47

Technical Drawing

DEGASSING PORTS 2 PLCS
50mm 2.0in
108mm 4.2in
FLAME ARRESTOR PRESS FIT INTO VALVE COVER 2 PLCS
34mm 1.3in
287mm 11.3in
10mm 0.4in
263mm 10.4in

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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