

NSB 12-170RT *UPS Battery*

Designed for mission critical applications

A premium replacement for the 12-150FT



NorthStar's Pure Lead UPS batteries, ideal for use with datacenters and applications where **downtime is not an option.**

- Performance excels at high rates of discharge and recharge
- 15 year float life at 20°C (68°F)
- EUROBAT design life definition: Long Life (12+ years)
- 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 - female M6 brass terminals provide maximum performance
- 2 year shelf life at 25°C (77°F)
- High modulus Polyphenylene Oxide (PPO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
 - Non-halogenated, thermally sealed plastic casing
 - Flame retardant (UL 94 V0) and LOI of at least 28%
- Pure lead, advanced valve regulated AGM batteries ensure power when it is needed most.
- Front access terminals ensure ease of installation and maintenance
- Approved as non-hazardous cargo for ground, sea, and air transport - DOT 49CFR173.159(d), (i) and (ii)



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Nominal Technical Specifications



Electrical

	International Standard 20°C (68°F)	North American Standard 25°C (77°F)
4C (15 min.) power to 1.67 VPC	161 Watts/Cell	172 Watts/Cell
Float Voltage	2.29 +/- 0.02 VPC	2.27 +/- 0.02 VPC
Impedance (1kHz)	4.1 mΩ @ 25°C (77°F)	
Conductance	1042 S	
Nominal Voltage	12 V	
Short Circuit Current	1,500 A	
Shelf Life	2 years	

Dimensions

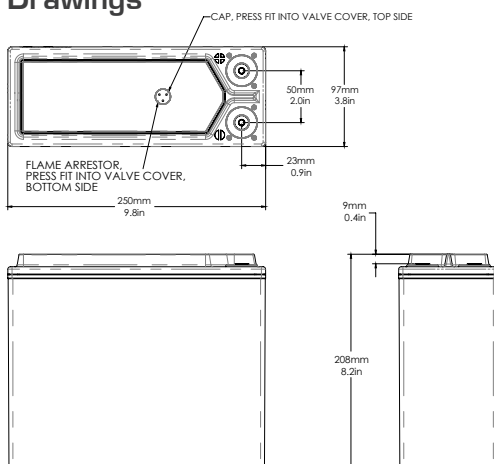
Height	208 mm (8.2 in)	Weight	14 kg (31 lbs)
Width	97 mm (3.8 in)	Terminal	Female M6 x 1.0
Depth	250 mm (9.8 in)	Terminal Torque	8.0 Nm (71 in-lbs)

Constant Power Discharge Ratings

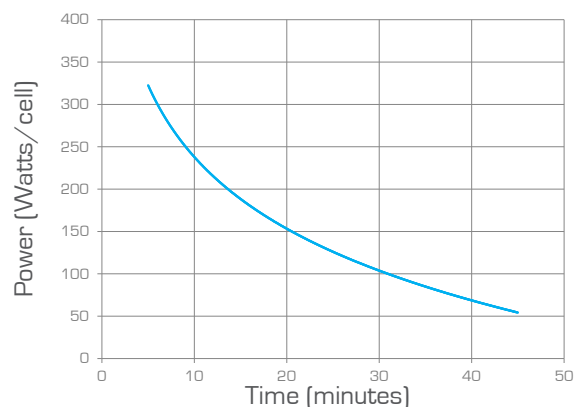
Duration (minutes) (watts/cell @ 25°C/77°F)

End of discharge (Volts)	2	5	10	15	20	30	45	60	120
1.75	480	318	214	164	135	100	73	58	33
1.70	518	335	222	169	138	102	75	59	33
1.67	538	344	226	172	140	103	75	60	33
1.65	551	349	228	173	141	104	75	60	33
1.60	581	361	233	176	143	105	76	60	33

Drawings



Discharge Curve to 1.67 VPC



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