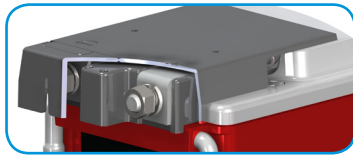


NSB 12-245RT *UPS Battery*

Designed for **mission critical applications**

A premium replacement for the 12-225FT



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 M8 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.
- Integral handles and 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)



NSB 12-245RT *UPS Battery*

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	233 Watts/Cell	248 Watts/Cell
Float Voltage	2.29 +/- 0.02 VPC	2.27 +/- 0.02 VPC
Impedance (1kHz)	4.8 mΩ @ 25°C (77°F)	
Conductance	965 S	
Nominal Voltage	12 V	
Short Circuit Current	2,100 A	
Shelf Life	2 years	

Dimensions

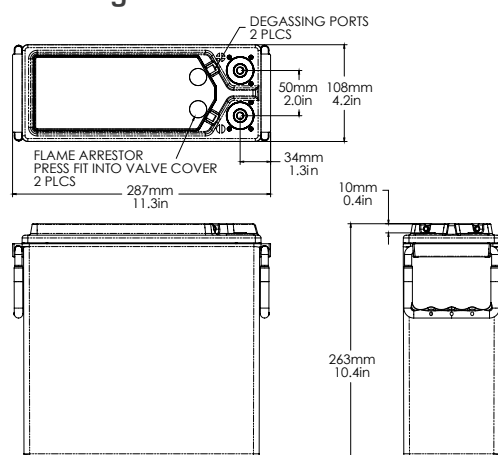
Height	263 mm (10.4 in) 266 mm (10.5 in) with Front Terminal adapter	Weight	21 kg (45 lbs)
Width	108 mm (4.2 in)	Terminal	Female M8 x 1.25
Depth	287 mm (11.3 in)	Terminal Torque	8.0 Nm (71 in-lbs)

Constant Power Discharge Ratings

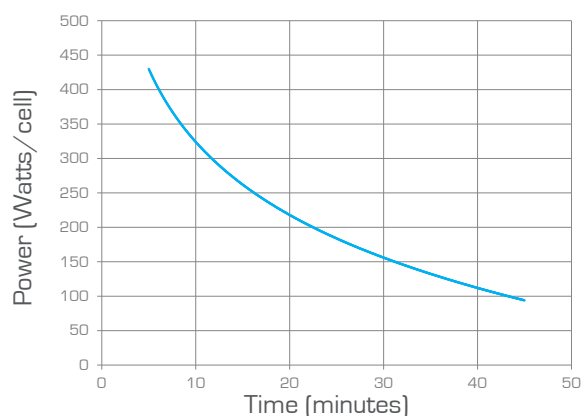
Duration (minutes) (watts/cell @ 25°C/77°F)

End of discharge (Volts)	2	5	10	15	20	30	45	60	120
1.75	482	396	294	235	197	149	111	88	50
1.70	554	429	309	244	202	152	112	89	50
1.67	595	447	317	248	205	154	113	90	50
1.65	621	458	322	251	207	155	113	90	50
1.60	678	482	332	256	211	157	114	91	50

Drawings



Discharge Curve to 1.67 VPC



NorthStar Americas

NorthStar Battery Company LLC
4000 Continental Way
Springfield, MO, 65803,
United States of America
info@northstarbattery.com
Tel: +1 417 575 8200
Fax: +1 417 575 8250

Netsphere in Thailand

919/431, 36/F, Jewelry Trade Center
Silom Road, Silom Bangrak,
Bangkok 10500 Thailand
sales@netsphere.co.th
Tel: +66 2 630 3368
Fax: +66 2 630 3367

Netsphere in Hongkong

Rm 1203, 12/F, Kwong Sang Hong Centre
No.151-153 Hoi Bun Road
Kwun Tong, Hong Kong
sales@netsphere.com.hk
Tel: +852 2344 3728
Fax: +852 2344 3778

