

AGM Thin Plate 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: 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 - brass terminals provide maximum performance
- 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
- Approved as non-hazardous cargo for ground sea and air transport DOT 49CFR173.159(d), (i) and (ii)

NSB 12-425

Nominal Technical Specifications

Electrical

Terminal torque	8.0 Nm (71 in-lbs)	4C (15min) power to 1.67 VPC	425 Watts/Cell
Float voltage	2.28 VPC	Shelf life	2 years
Conductance	1552 S	Impedance (1Khz)	3.3 mΩ @ 25°C (77°F)
Short circuit current	3900 A	Operation temperature range	-40°C to +65°C
Nominal voltage	12 V	Silver equivalent	NSB 12-400

Dimensions

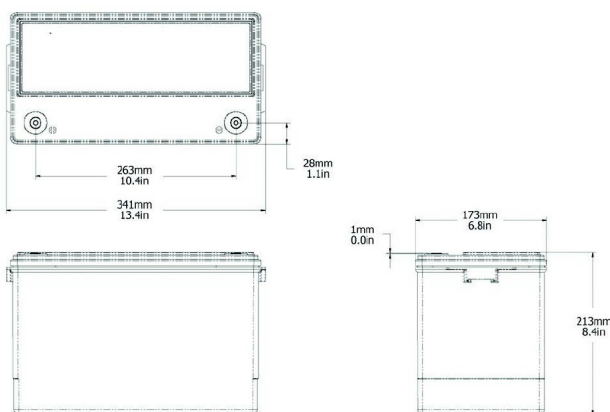
Height	213 mm	Width	173 mm
Length	341 mm	Weight	35 kg

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	807	667	499	401	337	256	190	152	85
1.70	873	709	523	417	348	263	194	154	86
1.67	911	732	536	425	354	266	196	155	86
1.65	934	745	543	430	357	268	197	156	86
1.60	986	774	558	439	363	272	199	157	87

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.

NorthStar Americas PARTIAL
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

NorthStar Europe
SiteTel Sweden AB
Haukadalsgatan 8A
SE-164 40 Kista,
Stockholm, Sweden
europe@northstarbattery.com
Tel: +46 8 410 102 00
Fax: +46 8 638 06 00

NorthStar Middle East, Africa
NorthStar Battery DMCC
Office 702, Saba 1 Tower
Jumeirah Lake Towers, Dubai
United Arab Emirates
mea@northstarbattery.com
Tel: +971 4 423 8060
Fax: +971 4 423 8061

NorthStar Asia-Pacific
NS Asia Pacific Sdn. Bhd.
B2-3A-13A, Solaris Dutamas
No. 1, Jalan Dutamas 1, 50480
Kuala Lumpur, Malaysia
asia@northstarsitetel.com
Tel: +60 3 6419 0711