

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 12-730RT

Nominal Technical Specifications

Electrical

| | | | |
|-----------------------|--------------------|------------------------------|----------------------|
| Terminal torque | 8.0 Nm (71 in-lbs) | 4C (15min) power to 1.67 VPC | 728 Watts/Cell |
| Float voltage | 2.28 VPC | Shelf life | 2 years |
| Conductance | 2400 S | Impedance (1Khz) | 2.2 mΩ @ 25°C (77°F) |
| Short circuit current | 6000 A | Operation temperature range | -40°C to +65°C |
| Nominal voltage | 12 V | Silver equivalent | N/A |

Dimensions

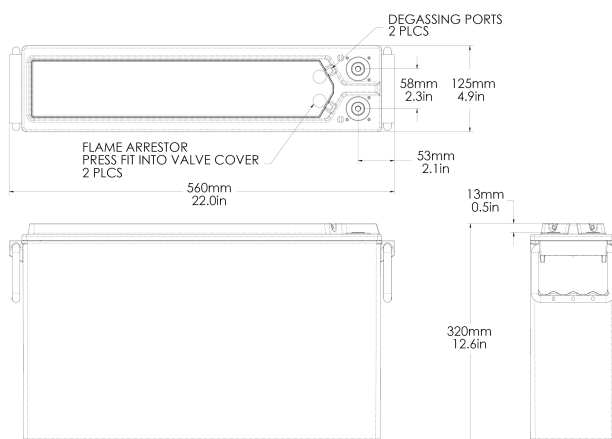
| | | | |
|--------|--------|--------|--------|
| Height | 320 mm | Width | 125 mm |
| Length | 560 mm | Weight | 61 kg |

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 | 1064 | 999 | 807 | 672 | 577 | 453 | 344 | 279 | 161 |
| 1.70 | 1231 | 1101 | 863 | 709 | 603 | 468 | 353 | 285 | 163 |
| 1.67 | 1325 | 1156 | 893 | 728 | 617 | 476 | 357 | 287 | 164 |
| 1.65 | 1383 | 1191 | 911 | 740 | 625 | 480 | 360 | 289 | 164 |
| 1.60 | 1511 | 1264 | 950 | 764 | 642 | 490 | 365 | 292 | 165 |

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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