



NOTHING IS MORE RELIABLE

TELECOM



ALL NORTHSTAR PRODUCTS ARE COMPLIANT WITH:

- ✦ Telcordia SR4228
- ✦ Bellcore GR-63-Core, Issue 1
- ✦ DOT 49CFR173.159(d) (i) and (ii)
- ✦ UL Approval
- ✦ British and German telecom standards

Northstar Battery Company is proud to be registered to ISO-9001:2000 and ISO-14001 standards.

NSB 90 FT

KEY FEATURES

- Specifically designed for mission-critical applications. Excels at high-rate discharge and recharge, extreme temperature range, deep or shallow cyclic applications.
- High cyclic life capability +500 C/3 @ 80% DOD.
- 10 year float life at 25°C (77°F) — 15 year float life at 20°C (68°F).
- Flame retardant (UL 94 VO) PC-ABS plastic case and cover.
- 3 step terminal seal design to ensure leak-free operation. Female M8 brass terminals provide maximum high rate performance and no annual retightening.
- Integral handles ensure ease of handling.
- Approved as non-hazardous cargo for ground, sea and air transportation.

ELECTRICAL CHARACTERISTICS

Refer to the NSB detailed performance tables for additional current, capacity and power information.

| | Int'l Standards @ 20°C □ | NA Standards @ 77°F |
|---------------------------------------|-------------------------------|-----------------------------|
| 8 hour capacity to 1.75 VPC □ | 86.4 amp-hours □ | 87.1 amp-hours □ |
| 10 hour capacity to 1.80 VPC □ | 87.7 amp-hours □ | 89.0 amp-hours |
| Float voltage □ | 2.29 +/- .02 volts per cell □ | 2.27 +/- .02 volts per cell |
| Cyclic Recharge □ | 2.45 VPC — no current limit | |
| Shelf life □ | 2 years | |
| Impedance (1KHz) □ | 2.9 m □ □ | |
| Short Circuit Current □ | 3,000 Amps □ | |
| Voltage □ | 12 Volts □ | |

MECHANICAL CHARACTERISTICS

| | SI Units □ | English Units |
|--------------------------|---------------------|----------------|
| Height □ | 255.0 mm □ | 10.04 inches □ |
| Width □ | 107.6 mm □ | 4.24 inches |
| Length □ | 396.0 mm □ | 15.59 inches |
| Weight □ | 31.1 kilograms □ | 70.6 pounds |
| Terminal Torque □ | 8.0 Newton-meters □ | 71 inch-pounds |