



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<sub>+</sub>90

## 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 M6 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
<b>20 hour capacity</b> to 1.75 VPC □	101.3 amp-hours □	102.1 amp-hours □
<b>15 minute power</b> to 1.67 VPC □	374.9 watts per cell □	399.8 watts per cell
<b>Float voltage</b> □	2.29 +/- .02 volts per cell □	2.27 +/- .02 volts per cell
<b>Cyclic Recharge</b> □	2.45 VPC — no current limit	
<b>Shelf life</b> □	2 years	
<b>Impedance (1KHz)</b> □	2.0 m□ □	
<b>Short Circuit Current</b> □	4,300 Amps □	
<b>Voltage</b> □	12 Volts □	

## MECHANICAL CHARACTERISTICS

	SI Units □	English Units
<b>Height</b> □	213.1 mm □	8.39 inches □
<b>Width</b> □	172.7 mm □	6.80 inches
<b>Length</b> □	340.8 mm □	13.42 inches
<b>Weight</b> □	37.0 kilograms □	83.1 pounds
<b>Terminal Torque</b> □	8.0 Newton-meters □	71 inch-pounds