

# RED Battery<sup>®</sup>

## Pure Lead – Long Life



The RED Battery<sup>®</sup>  
delivers long life for  
reliable and unreliable  
grid conditions.

99.9%  
PURE LEAD

15+ YRS  
DESIGN LIFE

The RED Battery<sup>®</sup> is ideal for use in a range of applications, including telecom backup, cable TV, emergency lighting, railway, oil and gas and more.

- 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 68 °F (20 °C)
- EUROBAT design life definition: Very Long Life (12+ years)
- Fast recharging
- Operating temperature range -40 °F to 122 °F (-40 °C to +50 °C)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Shelf life of up to 24 months
- Containers and lids – UL94 V-0 rated flame retardant material, highly resistant to shock, vibration and elevated operating temperatures
- Approved as non-hazardous cargo for ground, sea, and air transport
- Built-in intelligence via optional EnVision™ Connect system monitor
- All NorthStar batteries are compliant with: Telcordia SR4228, IEC 60896, Bellcore GR-63-Core, UL approved and UN2800 certified. EnerSys is registered to ISO 9001 and ISO 14001

## NorthStar advanced manufacturing

NorthStar products are designed to be ultra-high performance and premium quality, with a much longer lifetime than standard products. But to build batteries to such a high standard requires the latest robotic processing and manufacturing technology.

Our facilities are also built and run to meet the toughest possible environmental requirements, to prevent lead poisoning of the surrounding air, ground and water.

	NSB 100FT RED	NSB 190FT RED <sup>(2)</sup>	NSB 210FT RED <sup>(2)</sup>
Height	11.3 in (287 mm)	12.4 in (316 mm)	13.02 in (331 mm)
Width	4.2 in (108 mm)	4.9 in (125 mm)	4.9 in (125 mm)
Length	15.6 in (395 mm)	22.1 in (561 mm)	22.0 in (559 mm)
Weight	71.9 lbs (32.6 kg)	132 lbs (60 kg)	139 lbs (63 kg)
Terminal	M6 M	M6 M	M6 M
Terminal Torque	9.0 Nm (80 in-lbs)	9.0 Nm (80 in-lbs)	9.0 Nm (80 in-lbs)
8 hr Capacity to 1.75 VPC @ 77°F (25°C)	99 Ah	186 Ah	204 Ah
10 hr Capacity to 1.80 VPC @ 68°F (20°C)	99 Ah	187 Ah	204 Ah
Float Voltage <sup>(1)</sup>	2.29 / 2.27 VPC	2.29 / 2.27 VPC	2.29 / 2.27 VPC
Internal Resistance Milli-Ohms	5.6 mΩ	3.3 mΩ	3.3 mΩ
Short Circuit Current	2,210 A	3,990 A	3,850 A
Nominal Voltage	12 V	12 V	12 V

Notes:

<sup>(1)</sup> Float voltages given at 68 °F (20 °C) and 77 °F (25 °C)

<sup>(2)</sup> Compatible with the EnVision™ Connect system monitor

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