

# HT RED Battery<sup>®</sup>

## Pure Lead - High Temp



HT RED Battery<sup>®</sup> delivers long life in unreliable grid conditions even at high temperatures.

99.9%  
PURE LEAD

15+ YRS  
DESIGN LIFE

The HT 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)
- Extra long life at high temp operation 104 °F (40 °C)
- EUROBAT design life definition: Very Long Life (12+ years)
- High cyclic performance
- Fast recharging
- Shelf life of up to 24 months
- Operating temperature range -40 °F to 149 °F (-40 °C to +65 °C)
- 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
- Containers and lids – UL94 V-0 rated flame retardant material, highly resistant shock, vibration and elevated operating temperature
- 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 HT RED	NSB 190FT HT RED <sup>(2)</sup>	NSB 210FT HT 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)	100 Ah	188 Ah	206 Ah
10 hr Capacity to 1.80 VPC @ 68 °F (20 °C)	99 Ah	187 Ah	209 Ah
Float Voltage <sup>(1)</sup>	2.29 / 2.27 VPC	2.29 / 2.27 VPC	2.29 / 2.27 VPC
Internal Resistance (mΩ)	5.6 mΩ	3.2 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



**EnerSys World Headquarters**  
2366 Bernville Road  
Reading, PA 19605, USA  
Tel: +1-610-208-1991 /  
+1-800-538-3627

**EnerSys EMEA**  
EH Europe GmbH  
Baarerstrasse 18  
6300 Zug  
Switzerland

**EnerSys APAC**  
No. 85 Tuas Avenue 1  
Singapore 639518  
Tel: +65 6558 7333