

NSB Heavy Duty Batteries

The power to exceed



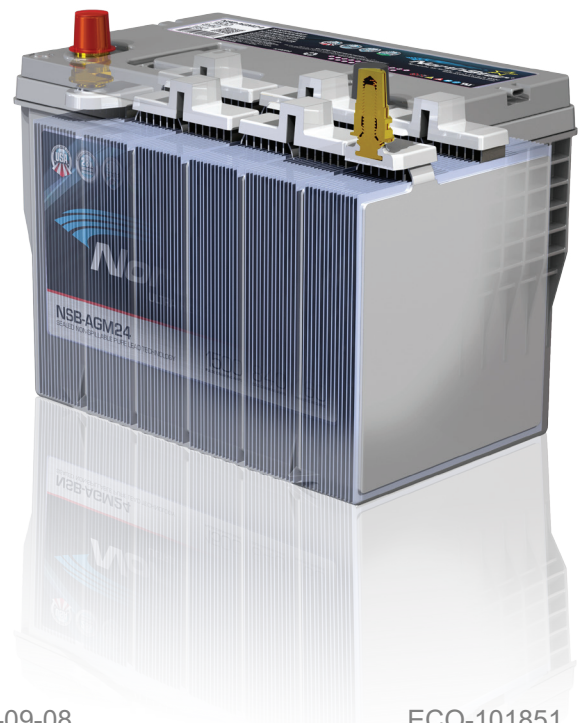
NorthStar heavy duty batteries excel at providing superior vibration resistance, high cranking amps and high reserve capacity. No other battery does more.

NorthStar heavy duty batteries are the pinnacle of AGM battery technology. Backed by up to a 4 year full manufacturer's warranty, NorthStar pure lead batteries are built to provide years of worry-free and maintenance-free operation.

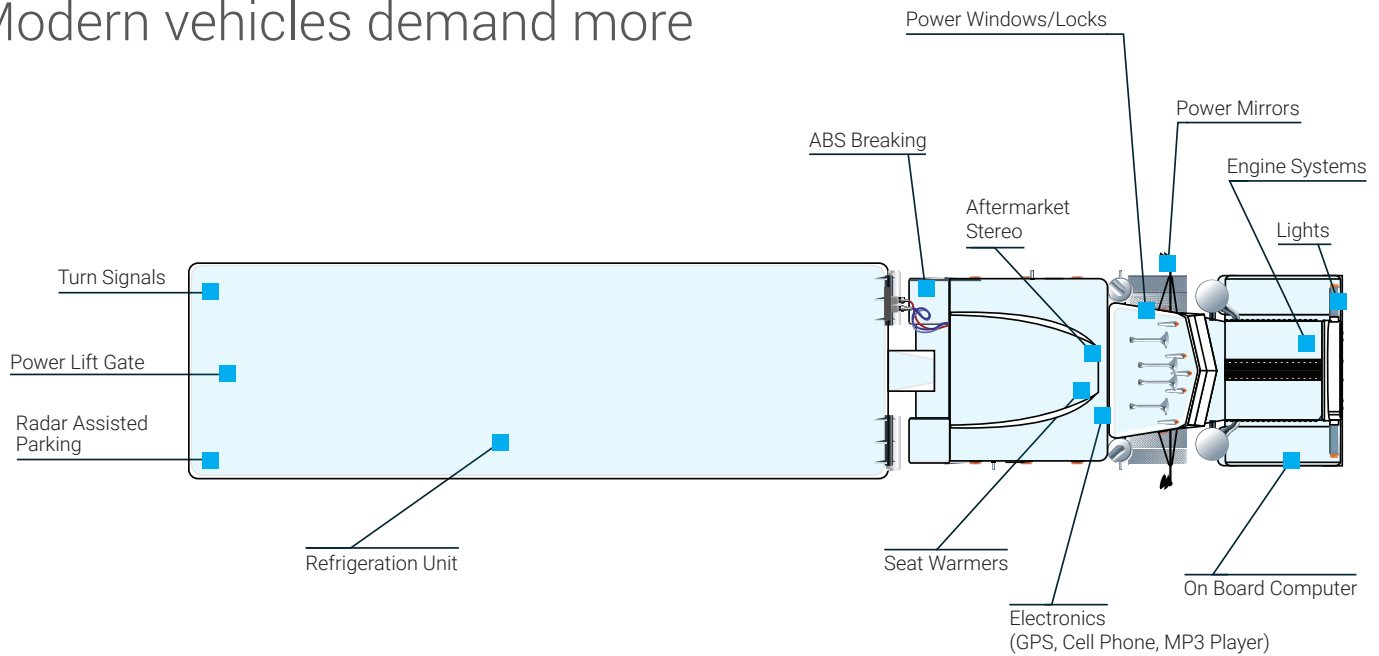
- Pure lead AGM technology delivers exceptional CCA ratings and reserve capacity cycling ability
- Quick starting every time
- Cycles over 900 times to 50% depth of discharge
- Faster recharge than conventional batteries
- Proudly made in the USA at our state-of-the-art battery plant
- OEM fit is ensured - built to exact BCI standards
- Housed in advanced plastics for durability, performance and heat resistance
- Advanced AGM construction means no water levels to check or terminals to clean
- Approved as non-hazardous cargo for ground, sea, and air transport
 - DOT 49CFR173.159(d), (i) and (ii)

What makes NorthStar heavy duty batteries so unique?

- More active material, and increased compression allow NSB to contain almost 40% more plate surface area that directly relates to capacity.
- Highly conductive connections including cast on straps, inter-cell connectors and brass terminals ensure maximum power.
- High cranking amps and high reserve capacity all in one, the best of both worlds.
- Unmatched cycling capabilities ideal for start-stop technologies and maintaining battery life.
- No additives - 99.9% pure lead electrochemistry greatly increases temperature and corrosion resistance, while reducing component aging
- Utilizing unique mechanical and chemical characteristics that allows for more than 99% recombination efficiency.
- NSB products have an extremely high recharge efficiency, even following a deep discharge.



Modern vehicles demand more



Technical data

Part Number	Height w/ Terminal (in)	Width (in)	Length w/ Rib (in)	Weight (lbs)	Terminal Illustration	Terminal Configuration	Pulse Cranking Amps (A)	CA/MCA Rating @ 32°F (A)	CCA Rating @ 0°F (A)	Reserve Capacity (min)	Capacity 20 hr 1.75VPC @ 25°C	Internal Resistance (mΩ)	Short Circuit Current (A)
Automotive / First Responder													
4 YEAR FULL MANUFACTURERS WARRANTY													
NSB-AGM24	8.86	6.77	10.87	57		SAE	1500	1010	840	160	76	3	3100
NSB-AGM24F	8.86	6.77	10.87	57		SAE	1500	1010	840	160	76	3	3100
NSB-AGM27	8.86	6.77	12.44	68		SAE	1750	1080	930	195	92	2.6	5000
NSB-AGM27F	8.86	6.77	12.44	68		SAE	1750	1080	930	195	92	2.6	5000
NSB-AGM31	9.75	6.77	12.91	75		Threaded	2150	1370	1150	220	103	2.2	5000
NSB-AGM31A	9.75	6.77	12.91	75		SAE	2150	1370	1150	220	103	2.2	5000
NSB-AGM34	7.87	6.75	10.87	51		SAE	1500	1050	880	133	65	3.6	3100
NSB-AGM34/78	7.87	7.10	10.87	51		SAE	1500	1050	880	133	65	3.6	3100
NSB-AGM35	8.54	6.76	9.45	49		SAE	1400	880	740	115	60	3.8	3100
NSB-AGM48	7.42	6.87	10.91	49		SAE	1450	910	775	135	67	3.7	3000
NSB-AGM65	7.52	7.32	11.76	55		SAE	1750	1080	930	135	69	3.3	3300
NSB-AGM78	7.12	7.10	10.87	51		SAE	1500	1050	880	133	65	3.6	3100
NSB-AGM94R	7.42	6.87	12.37	57		SAE	1650	1010	840	158	76	3.2	3000
Heavy Duty / Specialty													
2* / 3 YEAR FULL MANUFACTURERS WARRANTY													
SMS-AGM 8DK	9.41	11.0	20.5	187		SAE	3125	2700	2250	500	228	1.5	7500
SMS-AGM 8DK-S	9.57	11.0	20.5	187		Threaded	3125	2700	2250	500	228	1.5	7500
SMS-AGM 8DK-DT	9.41	11.1	21.22	187		SAE/Drop Terminal	3125	2700	2250	500	228	1.5	7500
SMS-AGM 24K	8.86	6.57	10.87	57		Oversize Threaded	1500	1010	840	160	76	3	3100
SMS-AGM 80 *	8.2	3.81	9.8	31		Bolt In	820	580	400	77	40	7.2	1500
SMS-AGM 220 *	11.3	4.24	15.6	74		Bolt In	1620	1160	830	230	105	2.6	3500
SMS-AGM 400 *	12.6	4.92	22.05	132		Bolt In	2260	1615	1260	396	182	2.1	6000
SMS-AGM 480 *	12.9	4.96	22.05	152		Bolt In	2400	1740	1420	477	217	2.6	6000

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All NorthStar batteries are compliant with Battery Council
International standards, UL approved and UN2800 certified.
NorthStar is registered to ISO 9001 and ISO 14001.