

NorthStar Ultra High Performance Batteries

The world's most innovative engine starting and cycling technology



NorthStar Ultra High Performance Batteries deliver **superior cranking, unrivaled cycling, faster recharge** and **minimal maintenance**.

- Pure Lead AGM Technology delivers exceptional CCA ratings and reserve capacity cycling ability
- Quick starting every time - up to 2,150 pulse amps
- Cycles over 400 times to 80% depth of discharge
- Faster recharge than conventional batteries
- Proudly made in the USA at our state-of-the-art battery plant
- Housed in advanced plastics for durability, performance and heat resistance
- Advanced AGM construction means no water levels to check or terminals to clean, and allows you to install the battery on its side
- Ideally suited for new vehicles that use Start Stop technology
- OEM fit is ensured as all NorthStar batteries are built to exact BCI standards
- Approved as non-hazardous cargo for ground, sea, and air transport
-DOT 49CFR173.159(d), (i) and (ii)



NorthStar Ultra High Performance Batteries

Technical Specifications

Automotive/First Responder



NSB-AGM24 NSB-AGM24F NSB-AGM27 NSB-AGM27F NSB-AGM34

ECI Group Number	24	24F	27	27F	34
Height with Terminal	8.74 in	8.74 in	8.74 in	8.74 in	7.76 in
Width	6.77 in	6.77 in	6.77 in	6.77 in	6.73 in
Length with Rib	10.87 in	10.87 in	12.44 in	12.44 in	10.87 in
Weight	58 lbs	58 lbs	68 lbs	68 lbs	50 lbs
Terminal Configuration	SAE	SAE	SAE	SAE	SAE
Pulse Cranking Amps	1,500 A	1,500 A	1,750 A	1,750 A	1,500 A
CA/MCA Rating at 32°F	1,010 A	1,010 A	1,080 A	1,080 A	1,050 A
Cold Cranking Amps at 0°F	840 A	840 A	930 A	930 A	880 A
Cold Cranking Amps at 20°F	590 A	590 A	650 A	650 A	585 A
Reserve Capacity	160 min	160 min	195 min	195 min	133 min
Capacity - 20 Hour Rate	76 Ah	76 Ah	91 Ah	91 Ah	64 Ah
Capacity - 10 Hour Rate	73 Ah	73 Ah	88 Ah	88 Ah	61 Ah
Internal Resistance	3.0 mΩ	3.0 mΩ	2.6 mΩ	2.6 mΩ	3.6 mΩ
Short Circuit Current	3,100 A	3,100 A	5,000 A	5,000 A	3,100 A
Warranty	4 years full	4 years full	4 years full	4 years full	4 years full

Marine/RV



NSB-AGM24M NSB-AGM27M NSB-AGM31M NSB-AGM34M NSB-AGM65M

ECI Group Number	24	27	31	34	65
Height with Terminal	8.74 in	8.74 in	9.25 in	7.76 in	7.44 in
Width	6.77 in	6.77 in	6.77 in	6.73 in	7.32 in
Length with Rib	10.87 in	12.44 in	12.91 in	10.87 in	11.77 in
Weight	58 lbs	68 lbs	76 lbs	50 lbs	56 lbs
Terminal Configuration	Marine	Marine	Marine	Marine	Marine
Pulse Cranking Amps	1,500 A	1,750 A	2,150 A	1,500 A	1,750 A
CA/MCA Rating at 32°F	1,010 A	1,080 A	1,370 A	1,050 A	1,070 A
Cold Cranking Amps at 0°F	840 A	930 A	1,150 A	880 A	930 A
Cold Cranking Amps at 20°F	590 A	650 A	900 A	585 A	650 A
Reserve Capacity	160 min	195 min	220 min	133 min	135 min
Capacity - 20 Hour Rate	76 Ah	91 Ah	102 Ah	64 Ah	69 Ah
Capacity - 10 Hour Rate	73 Ah	88 Ah	97 Ah	61 Ah	63 Ah
Internal Resistance	3.0 mΩ	2.6 mΩ	2.2 mΩ	3.6 mΩ	3.3 mΩ
Short Circuit Current	3,100 A	5,000 A	5,000 A	3,100 A	5,000 A
Warranty	3 years full	3 years full	3 years full	3 years full	3 years full



Automotive/First Responder

Heavy Duty Trucks/Equipment



NSB-AGM34/78



NSB-AGM35



NSB-AGM65



NSB-AGM78



NSB-AGM31

34/78	35	65	78
7.76 in	8.54 in	7.44 in	7.13 in
7.01 in	6.77 in	7.32 in	7.01 in
10.87 in	9.45 in	11.77 in	10.87 in
50 lbs	48 lbs	56 lbs	50 lbs
Side	SAE	SAE	Side
1,500 A	1,400 A	1,750 A	1,500 A
1,050 A	880 A	1,070 A	1,050 A
880 A	740 A	930 A	880 A
585 A	520 A	650 A	585 A
133 min	115 min	135 min	133 min
64 Ah	60 Ah	69 Ah	64 Ah
61 Ah	56 Ah	63 Ah	61 Ah
3.6 mΩ	3.8 mΩ	3.3 mΩ	3.6 mΩ
3,100 A	3,100 A	5,000 A	3,100 A
4 years full	4 years full	4 years full	4 years full

31
9.25 in
6.77 in
12.91 in
76 lbs
Threaded
2,150 A
1,370 A
1,150 A
900 A
220 min
102 Ah
97 Ah
2.2 mΩ
5,000 A
4 years full

Specialty Marine/Stereo



SMS-AGM8D



SMS-AGM8DK



SMS-AGM24K



SMS-AGM 220



SMS-AGM 400

8D	8D	24K	Specialty	Specialty
9.5 in	9.6 in	8.74 in	11.3 in	12.6 in
11.0 in	11.0 in	6.77 in	4.24 in	4.92 in
20.5 in	20.8 in	10.87 in	15.59 in	22.05 in
185 lbs	185 lbs	58 lbs	78.5 lbs	131.2 lbs
SAE	SAE	Half Inch Threaded	Bolt in	Bolt in
3,150 A	3,150 A	1,500 A	1,750 A	2,150 A
2,700 A	2,700 A	1,010 A	1,260 A	1,700 A
2,250 A	2,250 A	840 A	950 A	1,400 A
1,738 A	1,738 A	590 A	673 A	992 A
500 min	500 min	160 min	220 min	400 min
228 Ah	228 Ah	76 Ah	107.5 Ah	185.8 Ah
210 Ah	210 Ah	73 Ah	103.0 Ah	176.5 Ah
1.2 mΩ	1.2 mΩ	3.0 mΩ	2.6 mΩ	1.7 mΩ
7,500 A	7,500 A	3,100 A	3,500 A	5,000 A
3 years full	3 years full	3 years full	2 years full	2 years full

NorthStar Contacts

Delivering reliable power to the world

NorthStar in the Americas

NorthStar Battery Company LLC
4000 Continental Way
Springfield, MO, 65803,
United States of America
info@northstarbattery.com
Tel: +1 417 575 8200
Fax: +1 417 575 8250

NorthStar in Europe, Middle East, Africa

SiteTel Sweden AB
Staffans Väg 6-8
Box 7039, SE-192 07 Sollentuna,
Stockholm, Sweden
emea@northstarsitetel.com
Tel: +46 8 410 102 00
Fax: +46 8 638 06 00

NorthStar in Asia-Pacific

SiteTel Shanghai Co Ltd
Building 9, 1201 Gui Qiao Road
Jin Qiao Export Process Zone,
201206 Shanghai, China
asia@northstarsitetel.com
Tel: +86 21 5899 7610
Fax: +86 21 3872 2201

SiteTel Shenzhen
15/F, Kerry Plaza Tower 2
No.1 ZhongXin Si Road
Shenzhen, China
shenzhen@northstarsitetel.com
Tel: +86 755 3304 3068



www.northstarbattery.com

