

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

BCI Group Number	24	24F	27	27F	34
Height with Terminal	222 mm (8.74 in)	222 mm (8.74 in)	222 mm (8.74 in)	222 mm (8.74 in)	197 mm (7.76 in)
Width	172 mm (6.77 in)	172 mm (6.77 in)	172 mm (6.77 in)	172 mm (6.77 in)	171 mm (6.73 in)
Length with Rib	276 mm (10.9 in)	276 mm (10.9 in)	316 mm (12.4 in)	316 mm (12.4 in)	276 mm (10.9 in)
Weight	27 kg (58 lbs)	27 kg (58 lbs)	31 kg (68 lbs)	31 kg (68 lbs)	23 kg (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 at 32°F/0°C	1,010 A	1,010 A	1,080 A	1,080 A	1,050 A
CCA at 0°F/-18°C	840 A	840 A	930 A	930 A	880 A
CCA at -20°F/-29°C	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

BCI Group Number	24	27	31	34	65
Height with Terminal	222 mm (8.74 in)	222 mm (8.74 in)	235 mm (9.25 in)	197 mm (7.76 in)	189 mm (7.44 in)
Width	172 mm (6.77 in)	172 mm (6.77 in)	172 mm (6.77 in)	171 mm (6.73 in)	186 mm (7.32 in)
Length with Rib	276 mm (10.9 in)	316 mm (12.4 in)	328 mm (12.9 in)	276 mm (10.9 in)	299 mm (11.8 in)
Weight	27 kg (58 lbs)	31 kg (68 lbs)	34 kg (76 lbs)	23 kg (50 lbs)	25 kg (55 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 at 32°F/0°C	1,010 A	1,080 A	1,370 A	1,050 A	1,070 A
CCA at 0°F/-18°C	840 A	930 A	1,150 A	880 A	930 A
CCA at -20°F/-29°C	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



NSB-AGM34/78

NSB-AGM35

NSB-AGM65

NSB-AGM78

34/78	35	65	78
197 mm (7.76 in)	217 mm (8.54 in)	189 mm (7.44 in)	181 mm (7.13 in)
178 mm (7.01 in)	172 mm (6.77 in)	186 mm (7.32 in)	178 mm (7.01 in)
276 mm (10.9 in)	240 mm (9.45 in)	299 mm (11.8 in)	276 mm (10.9 in)
23 kg (50 lbs)	22 kg (48 lbs)	25 kg (55 lbs)	23 kg (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

Heavy Duty Trucks/Equipment



NSB-AGM31

31
235 mm (9.25 in)
172 mm (6.77 in)
328 mm (12.9 in)
34 kg (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-AGM8DK



SMS-AGM24K



SMS-AGM 220



SMS-AGM 400

8D	24-K	Specialty	Specialty
244 mm (9.6 in)	222 mm (8.74 in)	287 mm (11.3 in)	320 mm (12.6 in)
279 mm (11.0 in)	172 mm (6.77 in)	108 mm (4.24 in)	125 mm (4.92 in)
528 mm (20.8 in)	276 mm (10.9 in)	396 mm (15.59 in)	560 mm (22.05 in)
84 kg (185 lbs)	27 kg (58 lbs)	35.5 kg (78.5 lbs)	59.5 kg (131.2 lbs)
SAE	Half Inch Threaded	Bolt in	Bolt in
3,150 A	1,500 A	1,750 A	2,150 A
2,700 A	1,010 A	1,260 A	1,700 A
2,250 A	840 A	950 A	1,400 A
1,738 A	590 A	673 A	992 A
500 min	160 min	220 min	400 min
228 Ah	76 Ah	107.5 Ah	185.8 Ah
210 Ah	73 Ah	103.0 Ah	176.5 Ah
1.2 mΩ	3.0 mΩ	2.6 mΩ	1.7 mΩ
7,500 A	3,100 A	3,500 A	5,000 A
3 years full	3 years full	2 years full	2 years full

NorthStar Contacts

Delivering reliable power to the world

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