



AGM Batteries

The Sealed Battery Specialists



Advanced American Technology and the use of the most modern computer-aided design and manufacturing techniques combine to make MK Battery's Sealed AGM Batteries the standard by which all other AGM batteries are measured.

GENERAL APPLICATIONS

Specifications						Min. Discharged @*			Discharge Amps*			Ah Capacity*			Weight	Dimensions – Inches (mm)		
Model	Voltage	Foot Notes	Terminal	CCA** @ 0°F	RC† @ 80°F	5 Amps	25 Amps	75 Amps	5 Hour	20 Hour	100 Hour	5 Hr Rate	20 Hr Rate	100 Hr Rate	Approx. Lbs. (kg)	L	W	H [■]
8AU1	12	H/NS/1	Y	200	45	340	54	10	5.5	1.6	0.37	27.5	32.0	37.0	24 (10.9)	8.31 (211)	5.18 (132)	7.22 (183)
8A22NF	12	NS/2	G	350	85	620	95	22	9.3	2.8	0.63	46.5	55.0	63.0	39 (17.7)	8.99 (228)	5.47 (139)	9.24 (235)
8A24-T881	12	NS/1	G	525	135	900	145	35	13.8	4.0	0.91	69.2	79.0	91.0	53 (24.0)	10.20 (259)	6.56 (167)	9.24 (235)
8A24	12	H/NS/1	U	525	135	900	145	35	13.8	4.0	0.91	69.2	79.0	91.0	53 (24.0)	10.90 (277)	6.80 (173)	9.31 (236)
8A27	12	H/NS/1	U	580	175	1080	185	43	15.6	4.6	1.00	78.0	92.0	100.0	63 (28.6)	12.72 (323)	6.80 (173)	9.31 (236)
8A27-T876	12	H/NS/1	B	580	175	1080	185	43	15.6	4.6	1.00	78.0	92.0	100.0	63 (28.6)	12.83 (326)	6.56 (167)	9.30 (236)
8A31DT	12	H/NS/1	S/X	800	200	1265	210	53	17.2	5.3	1.10	86.0	105.0	110.0	69 (31.3)	12.93 (328)	6.75 (171)	9.34 (237)
8A4D	12	H/3	SAE	1110	380	2507	413	106	32.7	9.9	2.10	164.0	198.0	210.0	129 (58.5)	20.73 (527)	8.44 (214)	9.89 (251)
8A4D LTP	12	H/3	T	1110	380	2507	413	106	32.7	9.9	2.10	164.0	198.0	210.0	129 (58.5)	20.73 (527)	8.44 (214)	10.82 (275)
8A8D	12	H/3	SAE	1450	480	3040	517	138	39.4	12.3	2.50	197.0	245.0	250.0	158 (71.7)	21.03 (534)	11.00 (279)	9.89 (251)
8A8D LTP	12	H/3	T	1450	480	3040	517	138	39.4	12.3	2.50	197.0	245.0	250.0	158 (71.7)	21.03 (534)	11.00 (279)	10.82 (275)
8AGC2	6	H/4	U	680	380	2304	409	94	32.6	9.5	2.20	163.0	190.0	220.0	70 (31.8)	10.25 (260)	7.09 (180)	10.88 (276)

*Ampere hour capacity is a nominal rating. Discharge Amps to 1.75VPC @ 77°F (25°C).

**CCA defined as amps for 30 seconds to 1.20 vpc @ 0°F. †RC defined as minutes at 25 amps to 1.75 vpc @ 77°F.

■ Total height includes terminals.

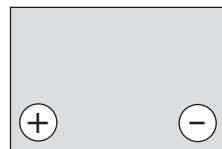
FOOTNOTES

H = Includes handles

NS = Non-Spillable

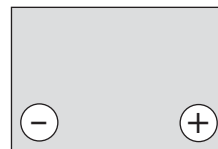
NON-SPILLABLE by DOT (Department of Transportation), ICAO (International Commercial Airline Organization), and IATA (International Airline Transport Association) definitions.

TERMINAL POLARITY



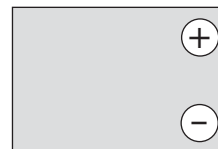
1

8AU1, 8A24, 8A24-T881, 8A27, 8A27-T876, 8A31DT



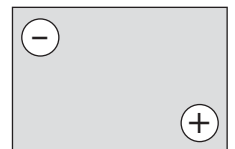
2

8A22NF



3

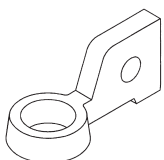
8A4D, 8A4D LTP, 8A8D, 8A8D LTP



4

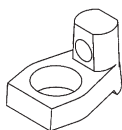
8AGC2

TERMINAL TYPE



B

Flag terminal with 3/8" diameter hole (T876)



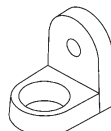
G

Offset post with horizontal hole, stainless steel 5/16" bolt & hex nut (T881)



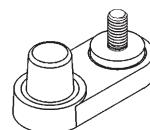
S

SAE "Automotive Post" (TSAE)



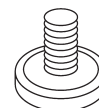
T

Heavy Duty "L" terminal with 3/8" diameter hole (T975)



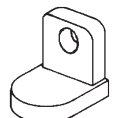
U

Molded-in offset SAE post & vert 5/16" NEG. & 5/16" POS. stainless steel studs & wing nuts



X

5/16" - 18 stainless steel stud posts (STUD)

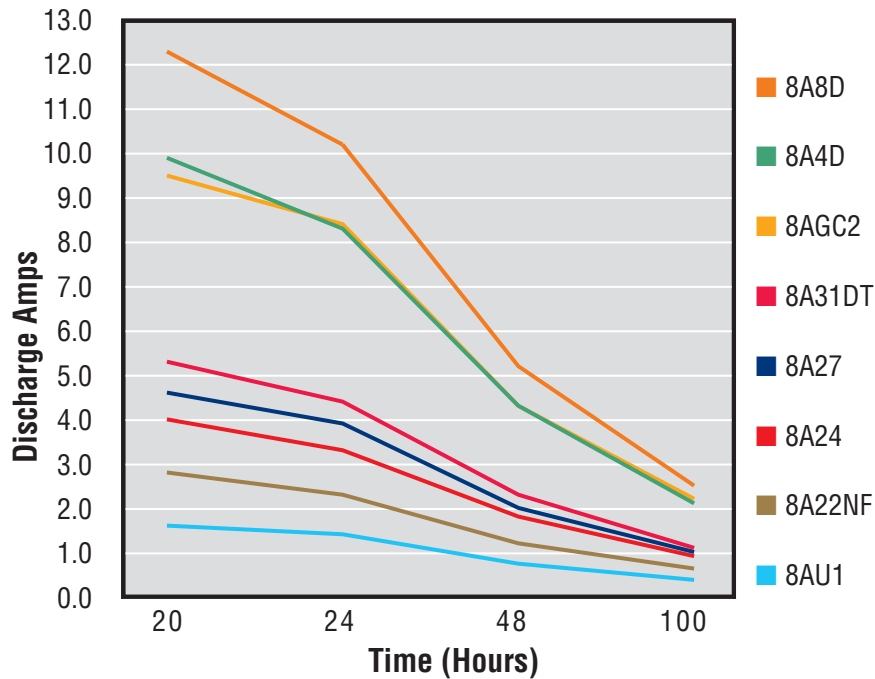


Y

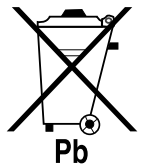
Small "L" terminal with 1/4" - 20 round hole (T873)

AGM SPECIFICATIONS

Discharge Amps to 1.75 VPC @ 77°F (25°C)



Please refer to the MK Battery website at www.mkbattery.com for more detailed specifications



BENEFITS

- Completely absorbs electrolyte for spillproof design
- Ultra premium sealing valve prevents capacity loss and controls pressure
- Fortified posts, straps and welds that resist vibration damage and maximize current transfer
- High density oxide provides maximum power-per-pound "high cycling" service
- Less than 2% per month stand loss means little deterioration during transport and storage
- 250 quality checks to assure superior performance and long life

APPLICATIONS

- Water Pumping
- Residential
- Communications
- Cathodic Protection
- Remote Monitoring
- Refrigeration
- Lighting
- Aids to Navigation
- Wind Generation
- Power Wheelchairs
- RV
- Golf Cart
- Solar

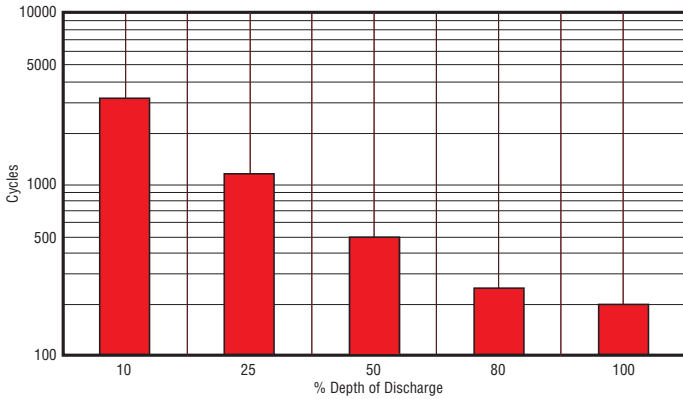
SPECIFICATIONS

Voltage	6 & 12 volts nominal
Plate Alloy	Lead Calcium
Posts	Forged terminals & bushings
Container/Cover	Polypropylene
*Charge/Absorption /Equalize	2.30 vpc to 2.43 vpc @ 77°F (25°C)
*Float/Standby	2.25 vpc ± 0.01 77°F (25°C)
Vent	Self sealing
Operating Temperature	Fully Charged Range: -40°F (-40°C) to +140°F (60°C)

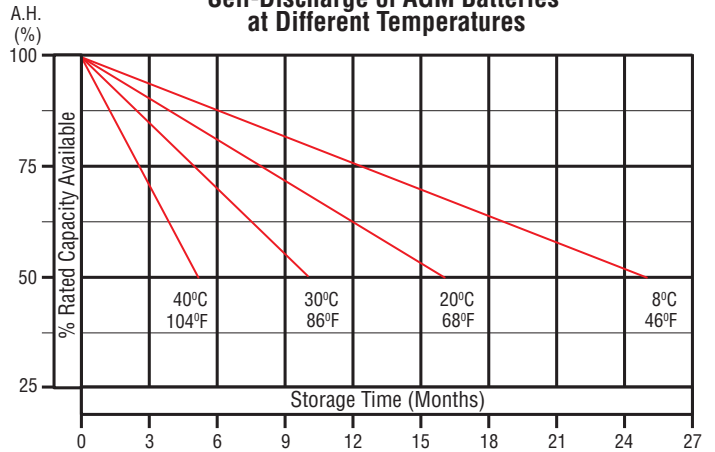
* For solar or renewable applications please refer to the Photovoltaic Charging Parameters on our website.

CHARACTERISTICS OF MK AGM BATTERIES

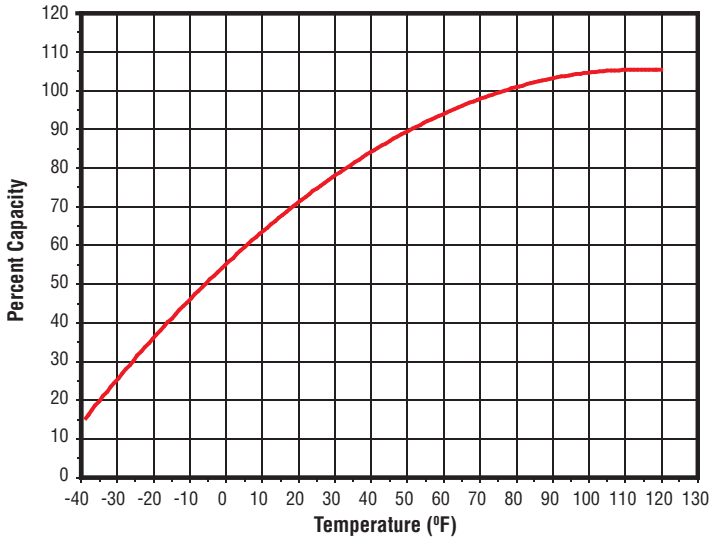
**AGM Cycle Life vs Depth of Discharge at +25°C (77°F)
Based on BCI 2-hour Capacity**



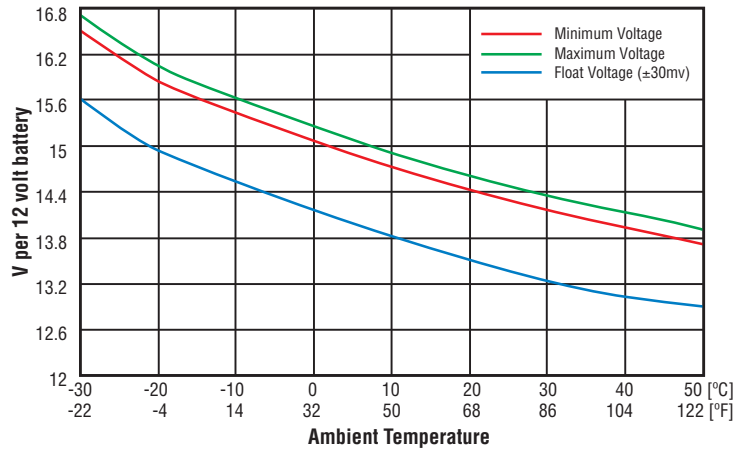
**Self-Discharge of AGM Batteries
at Different Temperatures**



**Temperature Effects on Capacity
(Discharges 1Hr to 100Hr)**



Constant Charging Voltage



Constant Charging Voltage

Shown is the constant charging voltage in relation to the ambient temperature. The bandwidth shows a tolerance of ± 30mV/cell. This constant voltage is suitable for continuous charging and cyclic operation. In a parallel stand-by mode it always keeps the battery in a fully charged state; in a cyclic mode, it provides for rapid recharging and high cyclic performance.

Capacity vs Operating Temperatures

Shown are the changes in capacity for wider ambient temperature range, giving the available capacity, as a percentage of the rated capacity, at different ambient temperatures.

YOUR PARTNER IN POWER

Products
Service
Customer Care

MK Battery is one of the largest sealed lead acid battery suppliers worldwide due to our total commitment to the following core principles:

MK Battery supplies only the highest quality batteries (gel, AGM and flooded deep cycle) that are specifically designed for our customers' many, varied applications including broadband communications, UPS (uninterruptible power supplies), power wheelchairs, telephony (valve-regulated stationary), solar, marine and electronics.

MK Battery ships fresh inventory fast, often within 24 hours, from a stock of more than 100,000 batteries in multiple distribution centers throughout the world and assists our customers with proper spent battery disposal through EPA permitted smelters. (Please note that violation of hazardous waste disposal laws can place heavy penalties on offenders).

MK Battery is genuinely concerned for our customers' well-being as a long-term partner... not just a supplier. MK Battery listens to our customers and delivers what you want, when you need it.



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