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

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Foot Notes</th>
<th>Terminal</th>
<th>CCA** @ 0°F</th>
<th>RC† @ 80°F</th>
<th>5 Amps</th>
<th>25 Amps</th>
<th>75 Amps</th>
<th>5 Hour</th>
<th>20 Hour</th>
<th>100 Hour</th>
<th>Ah Capacity*</th>
<th>Weight</th>
<th>Dimensions – Inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8AU1</td>
<td>12</td>
<td>H/NS/1</td>
<td>Y</td>
<td>200</td>
<td>45</td>
<td>340</td>
<td>654</td>
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<td>7.0</td>
<td>14.0</td>
<td>21.7</td>
<td>24 (10.9)</td>
<td>8.31 (211)</td>
<td>5.18 (132)</td>
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<td>8A22NF</td>
<td>12</td>
<td>NS/2G</td>
<td>G</td>
<td>350</td>
<td>85</td>
<td>620</td>
<td>95</td>
<td>22</td>
<td>9.3</td>
<td>2.8</td>
<td>0.63</td>
<td>46.5</td>
<td>63.0</td>
<td>39 (17.7)</td>
</tr>
<tr>
<td>8A24-T881</td>
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<td>135</td>
<td>900</td>
<td>145</td>
<td>35</td>
<td>13.8</td>
<td>4.0</td>
<td>0.91</td>
<td>69.2</td>
<td>79.0</td>
<td>53 (24.0)</td>
</tr>
<tr>
<td>8A24</td>
<td>12</td>
<td>H/NS/1U</td>
<td>U</td>
<td>525</td>
<td>135</td>
<td>900</td>
<td>145</td>
<td>35</td>
<td>13.8</td>
<td>4.0</td>
<td>0.91</td>
<td>69.2</td>
<td>79.0</td>
<td>53 (24.0)</td>
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<tr>
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<td>U</td>
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<td>175</td>
<td>1080</td>
<td>185</td>
<td>43</td>
<td>15.6</td>
<td>4.6</td>
<td>1.00</td>
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<td>92.0</td>
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<td>1080</td>
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<td>43</td>
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<td>4.6</td>
<td>1.00</td>
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<td>63 (28.6)</td>
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<td>9.9</td>
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<td>H/3T</td>
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<td>2507</td>
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<td>9.9</td>
<td>2.10</td>
<td>164.0</td>
<td>198.0</td>
<td>210.0</td>
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<td>197.0</td>
<td>245.0</td>
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<tr>
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<td>H/3T</td>
<td>1450</td>
<td>480</td>
<td>3040</td>
<td>517</td>
<td>138</td>
<td>39.4</td>
<td>12.3</td>
<td>2.50</td>
<td>197.0</td>
<td>245.0</td>
<td>250.0</td>
<td>158 (71.7)</td>
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<td>H/4U</td>
<td>680</td>
<td>380</td>
<td>2304</td>
<td>409</td>
<td>94</td>
<td>32.6</td>
<td>9.5</td>
<td>2.20</td>
<td>163.0</td>
<td>190.0</td>
<td>220.0</td>
<td>102 (55.5)</td>
</tr>
</tbody>
</table>

*Amperage 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.

### 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)**

- **8A8D**
- **8A4D**
- **8AGC2**
- **8A31DT**
- **8A27**
- **8A24**
- **8A22NF**
- **8AU1**

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

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**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**: 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

![Graph showing AGM Cycle Life vs Depth of Discharge at +25°C (77°F)]

Self-Discharge of AGM Batteries at Different Temperatures

![Graph showing Self-Discharge of AGM Batteries at Different Temperatures]

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

![Graph showing Temperature Effects on Capacity]

Constant Charging Voltage

![Graph showing 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

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.