Durable AGM batteries

These are the most economical, maintenance-free batteries designed for long life. WhisperPower AGM batteries are based on VRLA technology (Valve Regulated Lead Acid), meaning they require little ventilation, do not have to be positioned upright and do not require any maintenance.

Applications
- Starting main and auxiliary engines
- Powering pumps and winches
- Power supply for entire DC installation
- Back-up battery for vital functions such as radios/transmitters
- Suitable for medium sized inverters

Recommended Use
- Charge according to three step process (IUoUo)
- Keep battery connected to the charger even when not in use
- Use the temperature sensor to monitor the temperature of the battery
- Fit with ACR regulator as alternator will charge the battery faster and to 100%
Technical specifications AGM batteries

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Article nr.</th>
<th>AGM 55 Ah</th>
<th>AGM 80 Ah</th>
<th>AGM 90 Ah</th>
<th>AGM 100 Ah</th>
<th>AGM 145 Ah</th>
<th>AGM 165 Ah</th>
<th>AGM 200 Ah</th>
<th>AGM 260 Ah</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal capacity</td>
<td>55 Ah</td>
<td>80 Ah</td>
<td>90 Ah</td>
<td>100 Ah</td>
<td>145 Ah</td>
<td>165 Ah</td>
<td>200 Ah</td>
<td>260 Ah</td>
</tr>
<tr>
<td>C10® or C20</td>
<td>C10</td>
<td>C10</td>
<td>C10</td>
<td>C10</td>
<td>C10</td>
<td>C20</td>
<td>C10</td>
<td>C10</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>12,0 VDC</td>
<td>12,0 VDC</td>
<td>12,0 VDC</td>
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<td>12,0 VDC</td>
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<td>12,0 VDC</td>
</tr>
<tr>
<td>Type</td>
<td>Deep discharge Absorbed Glass Mat battery with potential 10 year life span on float voltage, specifically designed for intensive cyclic use. Cyclic life 30% longer thanks to strong grid and a specific paste composition. Suitable for marine, mobile and solar energy system and as a starter battery</td>
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</tr>
<tr>
<td>Weight ± 10%</td>
<td>18.0kg</td>
<td>24.0kg</td>
<td>28.5kg</td>
<td>30.0kg</td>
<td>44.0kg</td>
<td>47.0kg</td>
<td>60.0kg</td>
<td>74.0kg</td>
</tr>
<tr>
<td>Dimensions (mm) (excl. poles)</td>
<td>229×138×210</td>
<td>350×167×180</td>
<td>307×169×235</td>
<td>328×172×222</td>
<td>340×173×280</td>
<td>483×170×240</td>
<td>522×240×219</td>
<td>520×268×220</td>
</tr>
<tr>
<td>Terminal type</td>
<td>M6 rvs</td>
<td>M8 rvs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of cells</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
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</tr>
</tbody>
</table>

### CHARGE / DISCHARGE PARAMETERS

**Constant charge voltage (IU, float)**
13.60 .. 13.80 VDC at 25ºC

**Cyclic charge voltage (IUU, absorption)**
14.25 .. 14.60 VDC at 25ºC

**Maximum recommended charge current (higher possible)**
40 to 50% of nominal capacity

**Temperature ratio**
-4mv/cel/°C

**Discharge voltage**

| Full discharge (100% DOD) | 1.65 VDC @ (A) ≥ 1.0ºC |

### NOMINAL CAPACITY AT 25ºC

<table>
<thead>
<tr>
<th>20 hours discharge</th>
<th>58.6Ah</th>
<th>85.3 Ah</th>
<th>96.0 Ah</th>
<th>104.0 Ah</th>
<th>165.0 Ah</th>
<th>167.0 Ah</th>
<th>226.0 Ah</th>
<th>278.0 Ah</th>
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</thead>
<tbody>
<tr>
<td>10 hours discharge</td>
<td>55.0 Ah</td>
<td>80.0 Ah</td>
<td>90.0 Ah</td>
<td>100.0 Ah</td>
<td>145.0 Ah</td>
<td>157.0 Ah</td>
<td>200.0 Ah</td>
<td>260.0 Ah</td>
</tr>
<tr>
<td>5 hours discharge</td>
<td>44.5 Ah</td>
<td>65.0 Ah</td>
<td>73.0 Ah</td>
<td>89.0 Ah</td>
<td>131.0 Ah</td>
<td>134.0 Ah</td>
<td>180.0 Ah</td>
<td>220.0 Ah</td>
</tr>
<tr>
<td>Peukeurt Coefficient</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
<td>1.21&lt;2.14</td>
</tr>
<tr>
<td>Usage at 25 A discharge</td>
<td>92 min</td>
<td>146 min</td>
<td>164 min</td>
<td>190 min</td>
<td>305 min</td>
<td>320 min</td>
<td>455 min</td>
<td>630 min</td>
</tr>
<tr>
<td>Self discharge</td>
<td>Less than 3% per month at 25ºC</td>
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</tr>
</tbody>
</table>

### BATTERY PARAMETERS

**INRUSH CURRENT AT 25ºC (5s)**
550 A | 800 A | 900 A | 1000 A | 1450 A | 1650 A | 2000 A | 2600 A |

**Cyclic life at 80% discharge**
400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |

**Internal resistance (approx.)**
6.0mΩ | 5.5mΩ | 5.2mΩ | 5.0mΩ | 4.5mΩ | 3.8mΩ | 4.0mΩ | 3.5mΩ |

(*) C10= measured capacity at 10% discharge per hour over 10 hours

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**Storage Effect**

Storage time
AGM batteries can be stored for up to 6 months at 25ºC, recommended to charge before use

**Discharge curves**

Discharge effect on battery life

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**Installation dimensions**

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