

E-AGM SERIES—Long Life Standby Batteries

E-AGM-300 (2V300AH)



| Specifications | |
|-----------------------------|---|
| Nominal Voltage | 2V |
| Nominal Capacity | 300Ah (8 Hr to 1.75 V/cell @ 77°F) |
| Dimensions | Length 4.84 inches |
| | Width 7.26 inches |
| | Height (with Terminal) 14.65 inches |
| Weight | 40.7 lbs. |
| Container Material | ABS (V0 flame retardant case and cover optional) |
| Hardware / Torque Rating | M8 / 98–130 in. lbs. |
| Preferred Operating Temp. | 68–77 °F |
| Operating Temp Range | Discharge: –15~55°C (5~130°F) |
| | Charge: 0~40°C (32~104°F) |
| | Storage: –15~40°C (32~104°F) |
| Internal Resistance | Approx. 0.47mOhms |
| Max. Discharge Current | 2400A (5s) |
| Float Voltage | 2.25V at 77°F |
| Equalize Voltage | 2.35V at 77°F |
| Max. Charge Current Allowed | 60 Amps |
| Self Discharge | The AGM series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter. |

Applications

- Telecommunications
- Utility
- UPS
- Oil and gas
- Railways



| Constant Current Discharge (Amperes) at 25°C (77°F) | | | | | | | | | | | |
|---|--------|--------|--------|-----|------|------|------|------|------|------|------|
| F.V/Time | 15 min | 30 min | 45 min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 1.85 V/cell | 290 | 212 | 172 | 143 | 90.6 | 71.6 | 59.5 | 51.0 | 44.8 | 36.1 | 30.0 |
| 1.80 V/cell | 327 | 238 | 190 | 159 | 100 | 75.4 | 61.4 | 52.8 | 46.3 | 37.1 | 30.8 |
| 1.75 V/cell | 347 | 254 | 204 | 169 | 105 | 77.8 | 63.6 | 54.1 | 47.5 | 37.8 | 31.5 |
| 1.70 V/cell | 366 | 273 | 214 | 178 | 109 | 80.3 | 65.3 | 55.6 | 48.3 | 38.3 | 32.0 |
| 1.65 V/cell | 390 | 297 | 229 | 186 | 113 | 82.7 | 66.2 | 56.1 | 48.9 | 39.0 | 32.5 |
| 1.60 V/cell | 419 | 310 | 239 | 196 | 116 | 84.8 | 68.0 | 57.5 | 49.6 | 39.6 | 32.8 |

| Constant Current Discharge (Watts) at 25°C (77°F) | | | | | | | | | | | |
|---|--------|--------|--------|-----|-----|-----|-----|-----|------|------|------|
| F.V/Time | 15 min | 30 min | 45 min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h |
| 1.85 V/cell | 550 | 433 | 357 | 303 | 202 | 154 | 129 | 109 | 92.8 | 72.8 | 61.4 |
| 1.80 V/cell | 604 | 487 | 393 | 334 | 220 | 162 | 134 | 114 | 98.0 | 75.2 | 63.9 |
| 1.75 V/cell | 634 | 505 | 405 | 342 | 224 | 168 | 138 | 117 | 101 | 77.2 | 64.8 |
| 1.70 V/cell | 659 | 523 | 420 | 355 | 232 | 175 | 141 | 120 | 103 | 80.2 | 65.8 |
| 1.65 V/cell | 683 | 536 | 439 | 373 | 239 | 181 | 146 | 123 | 105 | 82.0 | 67.8 |
| 1.60 V/cell | 712 | 567 | 470 | 404 | 261 | 193 | 154 | 128 | 109 | 85.1 | 69.5 |

