

GC AGM37

Product card

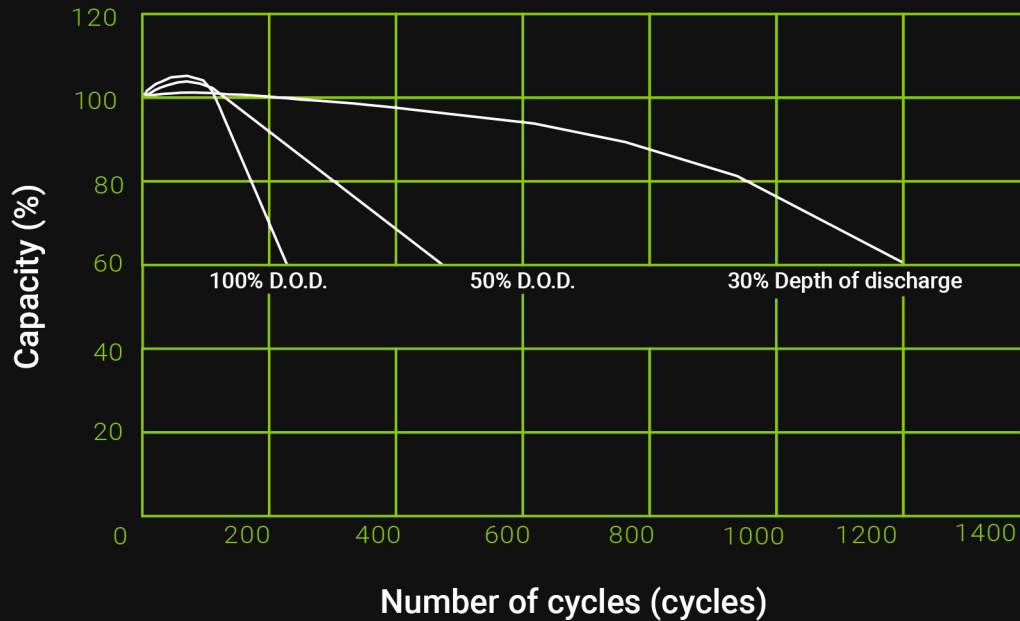


Electrical Specification:

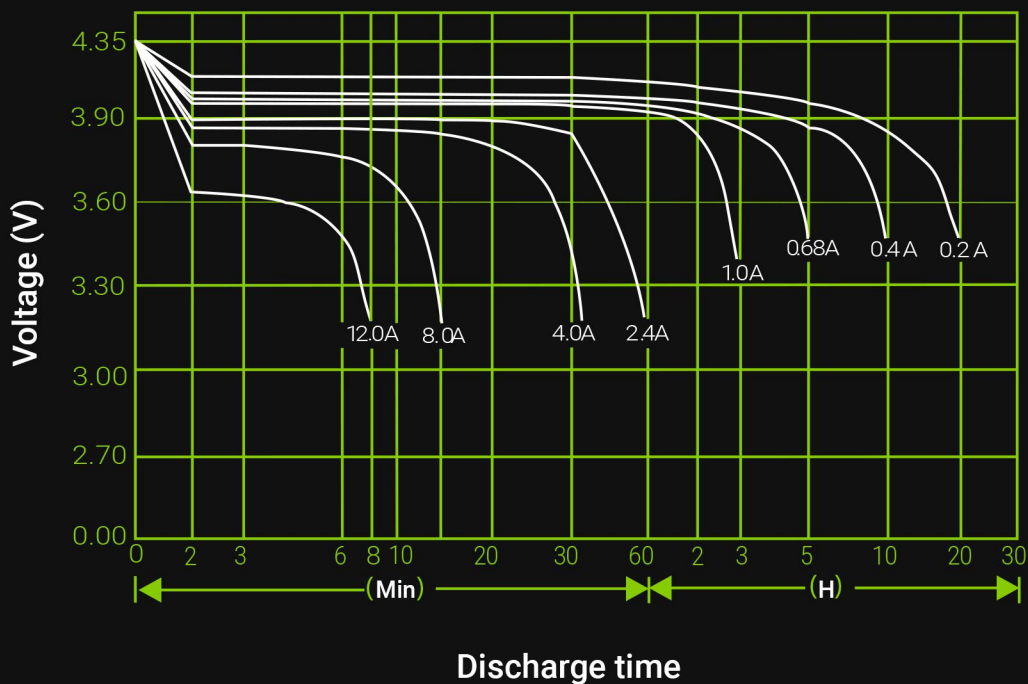
| | | |
|---|-------------------------------------|-------|
| Capacity 25°C (77°F) | 20hour rate(0.2A) | 4.0Ah |
| | 27min rate(4A) | 1.8Ah |
| | 7min rate(12A) | 1.4Ah |
| Capacity Affected by Temperature (20hour rate) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 85% |
| | -15°C (5°F) | 65% |
| Internal Resistance | full charged battery 25°C (77°F) | 50mΩ |
| Self-Discharge at 25°C (77°F) | Capacity after 3 month storage | 91 % |
| | Capacity after 6 month storage | 82 % |
| | Capacity after 12 month storage | 64 % |

| | | |
|---------------------------------|-------|---|
| Charge (constant Voltage) | Cycle | Initial Charging Current less than 1.2A Voltage 4.80 - 4.95V |
| | Float | Voltage 4.50 - 4.60V |

Cycle service life in relation to depth of discharge:



Discharge Characteristics after fully charged (25°C, 77°F):



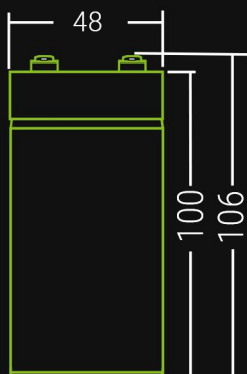
Constant Current (Amp) and Constant Power (watt) Discharge Table at 25°C (77°F):

| time | | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 10h | 20h |
|-------|---|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 3.20V | A | 15.44 | 9.77 | 7.73 | 4.28 | 2.64 | 1.44 | 1.04 | 0.84 | 0.71 | 0.38 | 0.21 |
| | W | 57.46 | 36.68 | 29.29 | 16.37 | 10.18 | 5.60 | 4.08 | 3.29 | 2.80 | 1.51 | 0.82 |
| 3.30V | A | 14.96 | 9.47 | 7.53 | 4.18 | 2.58 | 1.43 | 1.03 | 0.82 | 0.70 | 0.38 | 0.21 |
| | W | 55.69 | 35.56 | 28.54 | 15.96 | 9.95 | 5.54 | 4.02 | 3.24 | 2.77 | 1.51 | 0.82 |
| 3.40V | A | 14.28 | 9.05 | 7.25 | 4.07 | 2.52 | 1.41 | 1.01 | 0.81 | 0.69 | 0.38 | 0.20 |
| | W | 53.18 | 34.00 | 27.49 | 15.56 | 9.72 | 5.48 | 3.96 | 3.20 | 2.74 | 1.50 | 0.82 |
| 3.50V | A | 13.60 | 8.63 | 6.97 | 3.96 | 2.46 | 1.39 | 1.00 | 0.80 | 0.68 | 0.38 | 0.20 |
| | W | 50.66 | 32.43 | 26.44 | 15.15 | 9.49 | 5.39 | 3.93 | 3.17 | 2.71 | 1.50 | 0.80 |
| 3.60V | A | 12.86 | 8.12 | 6.57 | 3.81 | 2.39 | 1.36 | 0.98 | 0.78 | 0.66 | 0.37 | 0.20 |
| | W | 47.91 | 30.53 | 24.93 | 14.59 | 9.22 | 5.27 | 3.82 | 3.09 | 2.62 | 1.46 | 0.78 |

Physical specification:

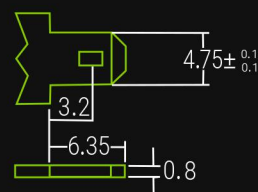
| | | |
|------------------------|------------------|--------------------------|
| Nominal Voltage | | 4V |
| Nominal Capacity(20HR) | | 4.0AH |
| Dimensions | Length | 48±1 mm (1.89 inches) |
| | Width | 48±1 mm (1.89 inches) |
| | Container Height | 100±2 mm (3.94 inches) |
| | Total Height | 106±2 mm (4.17 inches) |
| Weight | | Approx 0.45kg (0.99 lbs) |
| Standard terminal | | F1 |

Dimensions (mm):



Terminal type:

Standard Terminal
F1 (Fasten Tab No.187)



(in mm)