

## AGM46

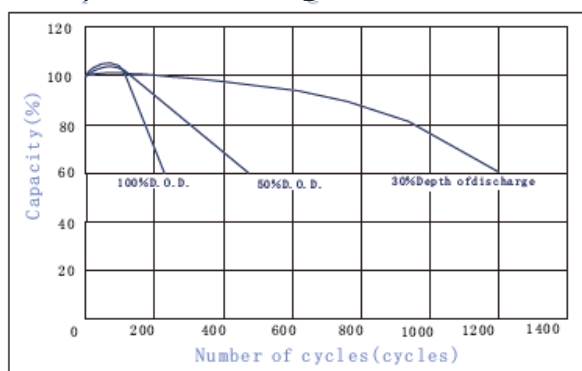
12V 5.3Ah



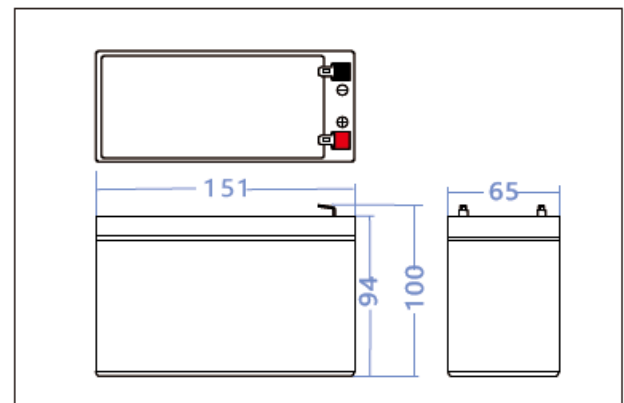
### Electrical Specification

|   |                                      |   |
|---|--------------------------------------|---|
| Capacity<br>25°C (77° F)                                | 20hour rate (0.35A)                  | 7.0Ah   |
|   | 27min rate (7.0A)                    | 3.15Ah  |
|   | 7min rate (21A)                      | 2.45Ah  |
| Capacity<br>Affected by<br>Temperature<br>(20hour rate) | 40°C (104° F)                        | 102%  |
|   | 25°C (77° F)                         | 100%  |
|   | 0°C (32° F)                          | 85%   |
|   | -15°C (5° F)                         | 65%   |
| Internal<br>Resistance                                  | full charged battery<br>77° F (25°C) | 25mΩ  |
| Self-Discharge<br>at 25°C (77° F)                       | Capacity after 3month storage        | 91%   |
|   | Capacity after 6month storage        | 82%   |
|   | Capacity after 12 month storage      | 64%   |
| Charge<br>(constant<br>Voltage)                         | Cycle                                | Initial Charging Current less than 2.1A<br>Voltage 14.40-14.90V |
|   | Float                                | Voltage 13.50-13.80V  |

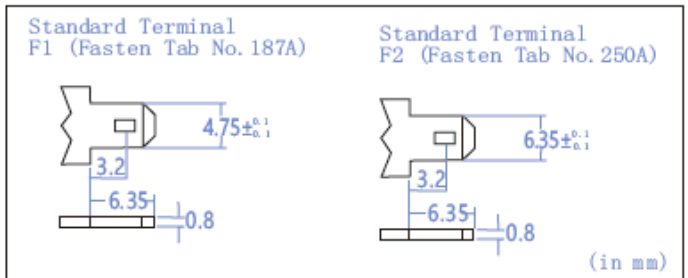
### Cycle service life in relation to depth of discharge



### Dimensions (mm)



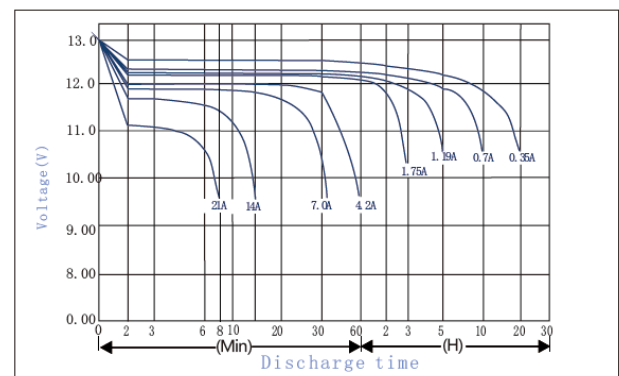
### Terminal Type



### Physical specification

|                         |                  |                          |
|-------------------------|------------------|--------------------------|
| Nominal Voltage         |                  | 12V                      |
| Nominal Capacity (20HR) |                  | 7.0AH                    |
| Dimensions              | Length           | 151±1mm (5.95 inches)    |
|                         | Width            | 65±1mm (2.56 inches)     |
|                         | Container Height | 94±2mm (3.70 inches)     |
|                         | Total height     | 100±2mm (3.94 inches)    |
| Weight                  |                  | Approx 2.15kg (4.73 lbs) |
| Standard Terminal       |                  | F1/F2                    |

### 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  |
|--------|----------|--------|--------|-------|-------|-------|-------|-------|-------|------|------|
| 9.60V  | A 27.02  | 17.09  | 13.53  | 7.50  | 4.62  | 2.53  | 1.83  | 1.46  | 1.24  | 0.67 | 0.36 |
|        | W 301.65 | 192.55 | 153.77 | 85.95 | 53.43 | 29.42 | 21.42 | 17.27 | 14.72 | 7.94 | 4.31 |
| 9.90V  | A 26.18  | 16.57  | 13.18  | 7.31  | 4.52  | 2.50  | 1.80  | 1.44  | 1.23  | 0.66 | 0.36 |
|        | W 292.38 | 186.70 | 149.84 | 83.81 | 52.23 | 29.11 | 21.10 | 17.03 | 14.56 | 7.92 | 4.30 |
| 10.20V | A 24.99  | 15.83  | 12.69  | 7.12  | 4.41  | 2.47  | 1.77  | 1.42  | 1.21  | 0.66 | 0.36 |
|        | W 279.19 | 178.48 | 144.32 | 81.67 | 51.03 | 28.79 | 20.78 | 16.78 | 14.40 | 7.89 | 4.28 |
| 10.50V | A 23.80  | 15.10  | 12.20  | 6.93  | 4.31  | 2.43  | 1.76  | 1.41  | 1.20  | 0.66 | 0.35 |
|        | W 265.99 | 170.26 | 138.80 | 79.53 | 49.83 | 28.31 | 20.62 | 16.63 | 14.24 | 7.87 | 4.18 |
| 10.80V | A 22.50  | 14.21  | 11.50  | 6.67  | 4.18  | 2.37  | 1.71  | 1.37  | 1.16  | 0.64 | 0.34 |
|        | W 251.53 | 160.29 | 130.88 | 76.58 | 48.39 | 27.67 | 20.05 | 16.22 | 13.74 | 7.64 | 4.10 |