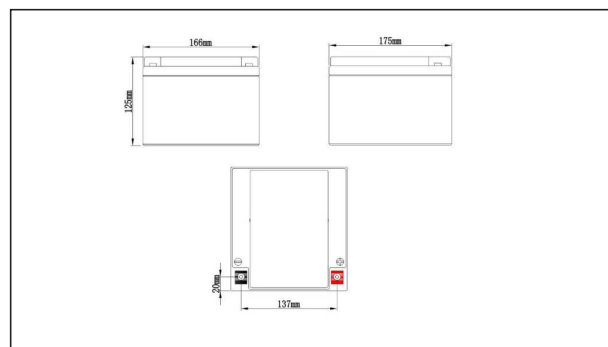


## SP26-12 [12V26Ah]

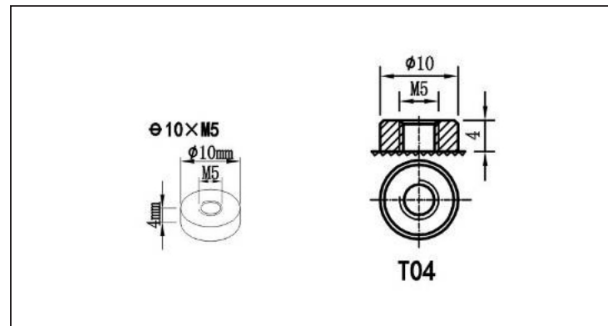
### Specifications

|                               |              |                    |
|-------------------------------|--------------|--------------------|
| Nominal Voltage               |              | 12V                |
| Rated capacity (20 hour rate) |              | 26Ah               |
| Dimensions                    | Length       | 166 ±2mm(6.55inch) |
|                               | Width        | 175±2mm(6.89inch)  |
|                               | Height       | 125±2mm(4.92inch)  |
|                               | Total Height | 125±2mm(4.92inch)  |
| Approx. Weight                |              | 7.73kg( 17.04lbs ) |

### Outer dimensions (mm)



### Terminal Type (mm)



### Construction

| Component    | Positive plate | Negative plate | Container | C over | Separator | Electrolyte   | Safety valve | Terminal |
|--------------|----------------|----------------|-----------|--------|-----------|---------------|--------------|----------|
| Raw material | Lead dioxide   | Lead           | ABS       | ABS    | AGM       | Sulfuric acid | Rubber       | Copper   |

### Constant Power Discharge Characteristics Unit:A(25°C,77°F)

| F.V/Time | 10min | 15min | 30min | 45min | 1h   | 1.5h | 2h    | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|------|------|-------|------|------|------|------|------|
| 9.6V     | 73    | 57    | 29.2  | 20.6  | 17.3 | 13.8 | 10.27 | 7.75 | 4.95 | 3.28 | 2.62 | 1.39 |
| 9.9V     | 70    | 55    | 27.8  | 19.8  | 16.9 | 13.5 | 10.02 | 7.56 | 4.83 | 3.22 | 2.59 | 1.37 |
| 10.2V    | 66    | 52    | 26.5  | 19.2  | 16.5 | 13.2 | 9.77  | 7.37 | 4.71 | 3.16 | 2.57 | 1.36 |
| 10.5V    | 66    | 52    | 26.3  | 19.0  | 16.4 | 12.9 | 9.40  | 7.14 | 4.64 | 3.14 | 2.53 | 1.35 |
| 10.8V    | 65    | 51    | 26.0  | 18.6  | 16.3 | 12.7 | 9.02  | 6.90 | 4.55 | 3.11 | 2.47 | 1.32 |

### Constant Power Discharge Characteristics Unit:W(25°C,77°F)

| F.V/Time | 10min | 15min | 30min | 45min | 1h  | 1.5h | 2h  | 3h | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-----|------|-----|----|------|------|------|------|
| 9.6V     | 838   | 680   | 383   | 271   | 203 | 156  | 116 | 83 | 55.0 | 38.3 | 30.5 | 16.4 |
| 9.9V     | 799   | 648   | 366   | 263   | 198 | 153  | 114 | 81 | 53.7 | 37.6 | 30.2 | 16.3 |
| 10.2V    | 760   | 617   | 348   | 253   | 193 | 149  | 111 | 79 | 52.3 | 36.9 | 29.9 | 16.1 |
| 10.5V    | 736   | 597   | 341   | 248   | 190 | 145  | 110 | 78 | 51.8 | 36.6 | 29.4 | 15.9 |
| 10.8V    | 708   | 578   | 330   | 242   | 187 | 143  | 108 | 76 | 51.2 | 36.2 | 28.9 | 15.6 |

Note: The above characteristics data can be obtained within three charge or discharge cycles.

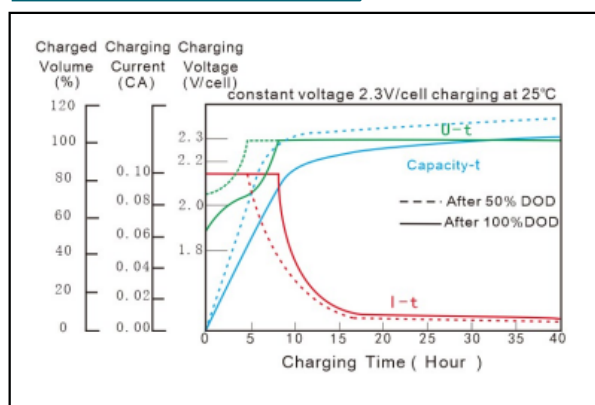


### Characteristics

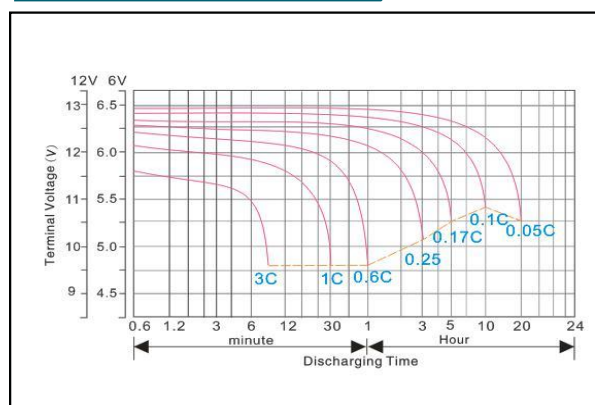
|                                                  |             |                                                           |
|--------------------------------------------------|-------------|-----------------------------------------------------------|
| Capacity<br>(25 °C)                              | 20HR(10.5V) | 26.0Ah                                                    |
|                                                  | 10HR(10.5V) | 24.7Ah                                                    |
|                                                  | 5HR(9.60V)  | 23.2Ah                                                    |
| Terminal type                                    |             | T04(M5)                                                   |
| Internal resistance<br>(Fully charged, 25°C)     |             | Approx. 11.5m Ω                                           |
| Capacity<br>affected by<br>temperature<br>(20HR) | 40°C        | 103%                                                      |
|                                                  | 25°C        | 100%                                                      |
|                                                  | 0°C         | 86%                                                       |
| Self-discharge<br>(25°C)                         | 3month      | Remaining Capacity:91%                                    |
|                                                  | 6month      | Remaining Capacity:82%                                    |
|                                                  | 12month     | Remaining Capacity:65%                                    |
| Nominal operating<br>temperature                 |             | 25°C±3 °C(77 °F±5°F)                                      |
| Operating<br>temperature<br>range                | Discharge   | -15 °C~50°C(5 °F~ 122 °F)                                 |
|                                                  | Charge      | -10 °C~50°C(14 °F~ 122 °F)                                |
|                                                  | Storage     | -20 °C~50°C(-4 °F~ 122 °F)                                |
| Float charging voltage(25°C)                     |             | 13.60 to 13.80V<br>Temperature compensation:<br>-18mV/ °C |
| Cyclic charging voltage(25°C)                    |             | 14.10 to 14.40V<br>Temperature compensation:<br>-30mV/ °C |
| Maximum charging current                         |             | 7.8A                                                      |
| Maximum discharge current                        |             | 78A(5 sec.)                                               |
| Designed floating life(20°C)                     |             | 8 years                                                   |



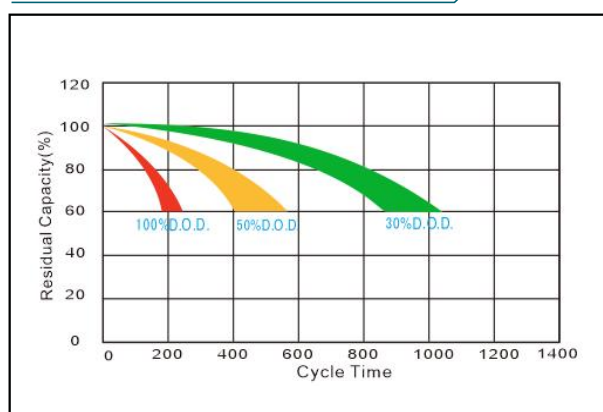
## ● Charge Characteristics (25°C/77°F)



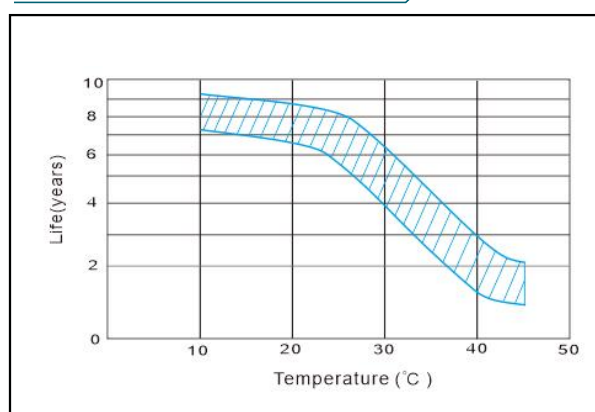
## ● Discharge Characteristic (25°C/77°F)



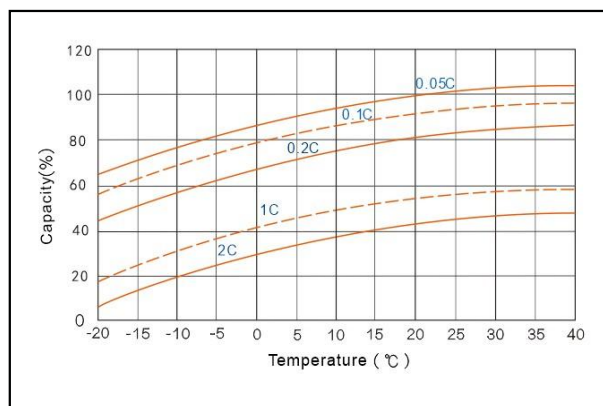
## ● Cycle Life in Relation to Depth of Discharge



## ● Temperature vs Float Life



## ● Capacity Curve At Different Temperature



## ● Self Discharge Characteristics

