

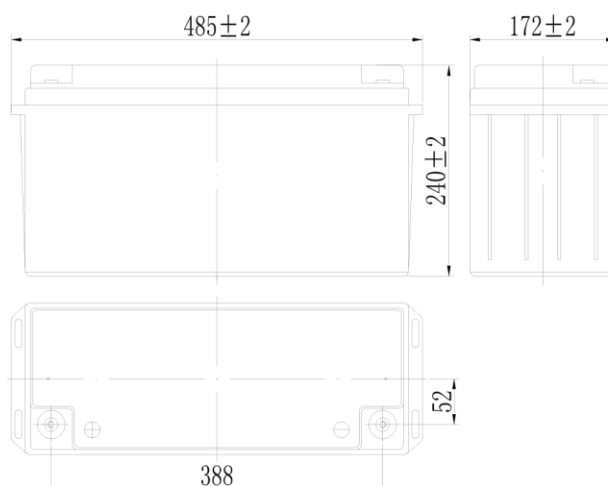
#### Specification

|                                                  |              |                                                          |
|--------------------------------------------------|--------------|----------------------------------------------------------|
| Nominal Voltage                                  |              | 12 V                                                     |
| Capacity<br>(25°C)                               | 10HR(10.5V)  | 150Ah                                                    |
|                                                  | 5HR(10.2V)   | 116.5Ah                                                  |
|                                                  | 1HR(9.6V)    | 87.3Ah                                                   |
| Dimension                                        | Length       | 485±2mm (19.09inch)                                      |
|                                                  | Width        | 172±2mm (6.77inch)                                       |
|                                                  | Height       | 240±2mm (9.45inch)                                       |
|                                                  | Total Height | 240±2mm (9.45inch)                                       |
| Approx. Weight                                   |              | 43.4kgs (95.68lbs) ±4%                                   |
| Terminal type                                    |              | T11                                                      |
| Internal resistance<br>(Fully charged, 25°C)     |              | Approx. 4.2mΩ                                            |
| Capacity<br>affected by<br>temperature<br>(10HR) | 40°C         | 103%                                                     |
|                                                  | 25°C         | 100%                                                     |
|                                                  | 0°C          | 88%                                                      |
|                                                  | -15°C        | 70%                                                      |
| Self-discharge<br>(25°C)                         | 3 month      | Remaining Capacity: 94%                                  |
|                                                  | 6 month      | Remaining Capacity: 88%                                  |
|                                                  | 12 month     | Remaining Capacity: 75%                                  |
| Nominal operating<br>temperature                 |              | 25°C ± 3°C (77°F ± 5°F)                                  |
| Operating<br>temperature<br>range                | Discharge    | -15°C ~ 55°C (5°F ~ 131°F)                               |
|                                                  | Charge       | -10°C ~ 55°C (14°F ~ 131°F)                              |
|                                                  | Storage      | -20°C ~ 55°C (-4°F ~ 131°F)                              |
| Float charging voltage(25°C)                     |              | 13.50 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                         |              | 30A                                                      |
| Terminal material                                |              | Copper                                                   |
| Maximum discharge current                        |              | 1500A(5 sec.)                                            |
| Designed floating life(20°C)                     |              | 15 years                                                 |

- ◆ Absorbent glass mat technology;
- ◆ Recognized by RoHS& CE;
- ◆ ABS container.



#### Dimensions



#### Constant Current Discharge (A mperes) at 25 °C (77°F )

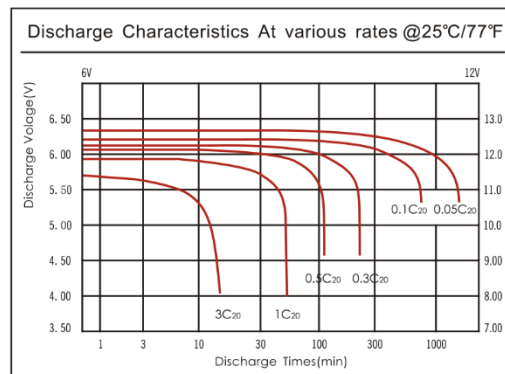
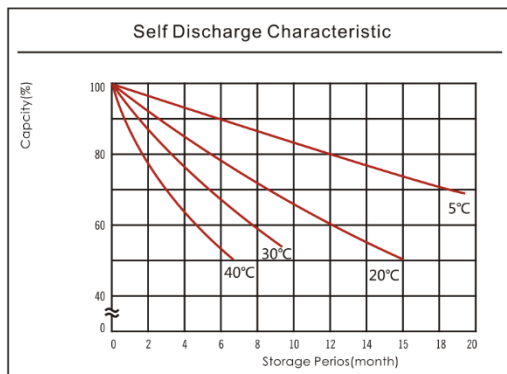
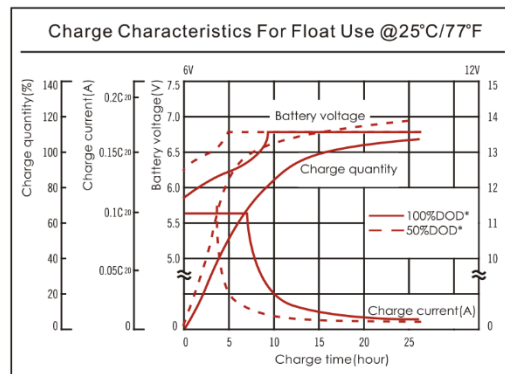
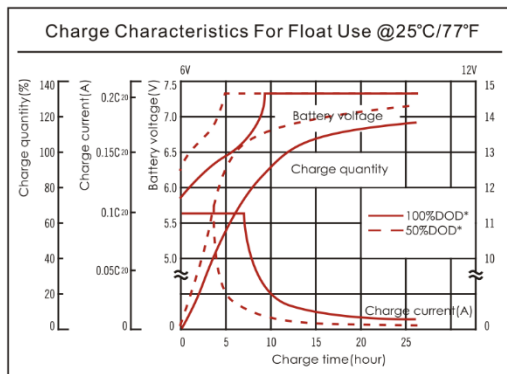
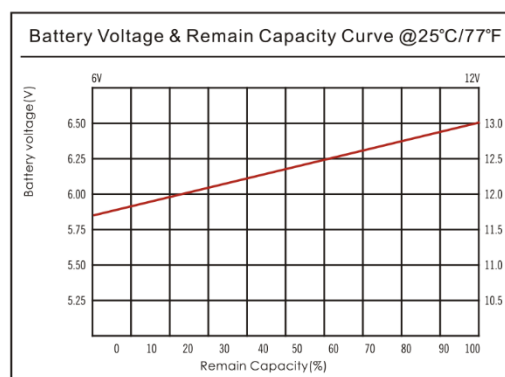
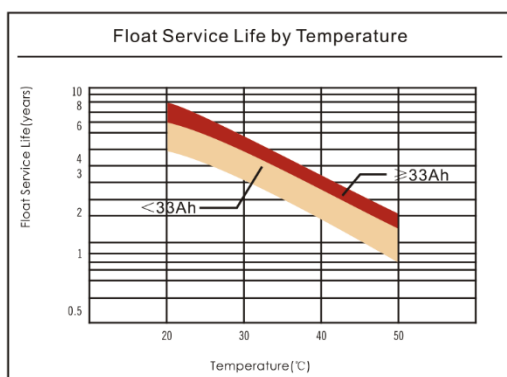
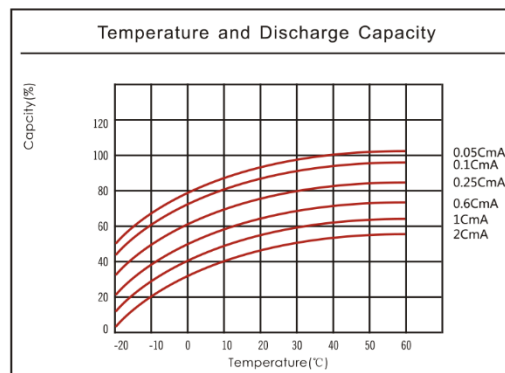
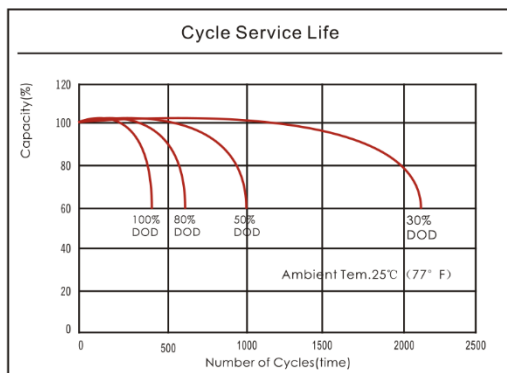
| F.V/TIME | 15min | 30min | 60min | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  | 48h  | 120h |
|----------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 9.60V    | 203   | 140   | 87.3  | 51.0 | 36.0 | 28.3 | 23.7 | 20.2 | 15.8 | 14.0 | 7.67 | ---  | ---  |
| 9.90V    | 198   | 137   | 86.0  | 50.7 | 35.7 | 28.1 | 23.6 | 20.1 | 15.7 | 14.0 | 7.65 | ---  | ---  |
| 10.2V    | 190   | 133   | 83.8  | 50.3 | 35.5 | 27.9 | 23.4 | 19.9 | 15.6 | 14.0 | 7.63 | 3.35 | ---  |
| 10.5V    | 184   | 130   | 82.1  | 49.5 | 35.3 | 27.8 | 23.3 | 19.8 | 15.5 | 13.9 | 7.50 | 3.32 | 1.50 |
| 10.8V    | 174   | 125   | 79.6  | 48.2 | 34.2 | 26.9 | 22.6 | 19.2 | 15.0 | 13.8 | 7.53 | 3.32 | 1.50 |

#### Constant Power Discharge (W atts) at 25 °C (77°F )

| F.V/TIME | 15min | 30min | 60min | 2h  | 3h  | 4h  | 5h  | 6h  | 8h  | 10h | 20h  | 48h  | 120h |
|----------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 9.60V    | 2260  | 1594  | 1006  | 594 | 425 | 335 | 282 | 240 | 188 | 169 | 92.4 | ---  | ---  |
| 9.90V    | 2206  | 1562  | 991   | 590 | 422 | 333 | 280 | 239 | 187 | 168 | 92.3 | ---  | ---  |
| 10.2V    | 2124  | 1514  | 965   | 585 | 420 | 330 | 278 | 237 | 186 | 168 | 92.0 | 40.1 | ---- |
| 10.5V    | 2052  | 1477  | 946   | 576 | 417 | 328 | 276 | 235 | 184 | 167 | 90.4 | 39.8 | 16.6 |
| 10.8V    | 1944  | 1423  | 917   | 562 | 404 | 318 | 268 | 228 | 179 | 166 | 90.8 | 39.8 | 16.5 |

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

# Series -Long Life Standby GEL Characteristics Curve



## CÔNG TY CỔ PHẦN NHẬT NĂNG

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