

## Series -Long Life Standby

### AGM 12-9 (12V 9AH)

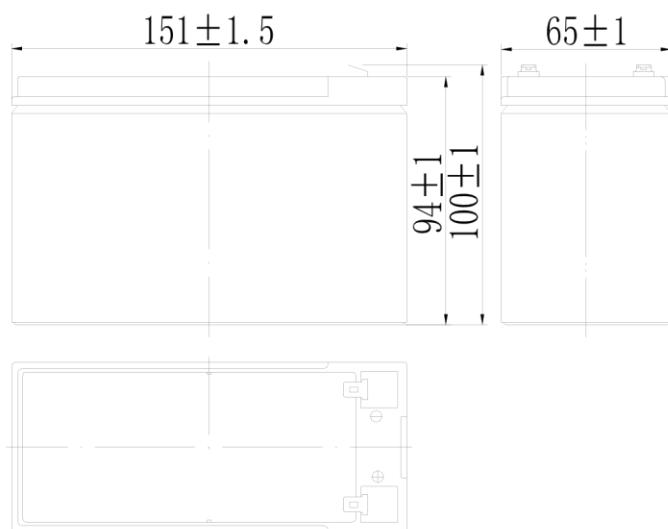
#### Specification

|                                           |              |                                                       |
|-------------------------------------------|--------------|-------------------------------------------------------|
| Nominal Voltage                           |              | 12 V                                                  |
| Capacity (25°C)                           | 20HR (10.5V) | 9Ah                                                   |
|                                           | 10HR (10.5V) | 8.4Ah                                                 |
|                                           | 1HR (9.60V)  | 5.9Ah                                                 |
| Dimension                                 | Length       | 151±1.5mm (5.94inch)                                  |
|                                           | Width        | 65±1mm (2.56inch)                                     |
|                                           | Height       | 94±1mm (3.70inch)                                     |
|                                           | Total Height | 100±1mm (3.94inch)                                    |
| Approx. Weight                            |              | 2.45kgs (5.4lbs) ±5%                                  |
| Terminal type                             |              | T1/T2                                                 |
| Internal resistance (Fully charged, 25°C) |              | Approx. 19mΩ                                          |
| Capacity affected by temperature (20HR)   | 40°C         | 102%                                                  |
|                                           | 25°C         | 100%                                                  |
|                                           | 0°C          | 85%                                                   |
|                                           | -15°C        | 65%                                                   |
| Self-discharge (25°C)                     | 3 month      | Remaining Capacity: 91%                               |
|                                           | 6 month      | Remaining Capacity: 82%                               |
|                                           | 12 month     | Remaining Capacity: 65%                               |
| Nominal operating temperature             |              | 25°C ± 3°C (77°F ± 5°F)                               |
| Operating temperature 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: -18mV/°C |
| Cyclic charging voltage (25°C)            |              | 14.50 to 14.90V<br>Temperature compensation: -30mV/°C |
| Maximum charging current                  |              | 2.7A                                                  |
| Terminal material                         |              | Copper                                                |
| Maximum discharge current                 |              | 135A (5 sec.)                                         |
| Designed floating life (20°C)             |              | 3~5 years                                             |

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



#### Dimensions



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

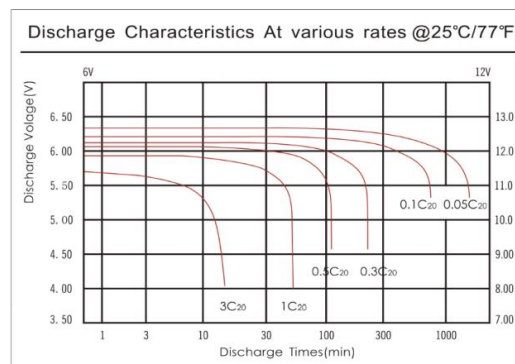
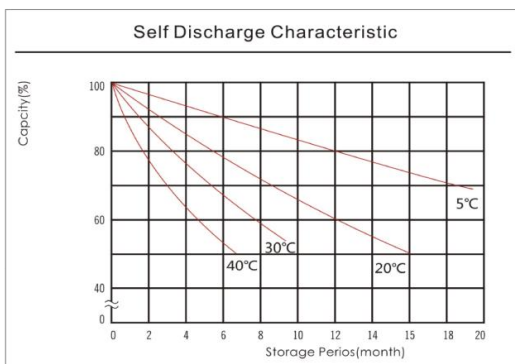
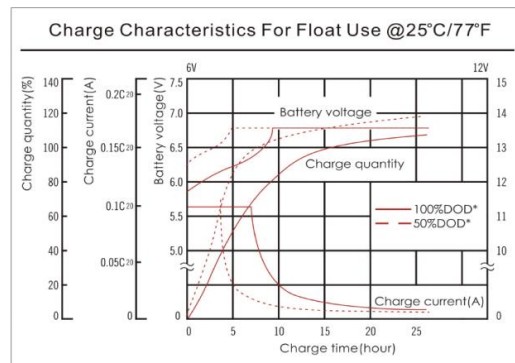
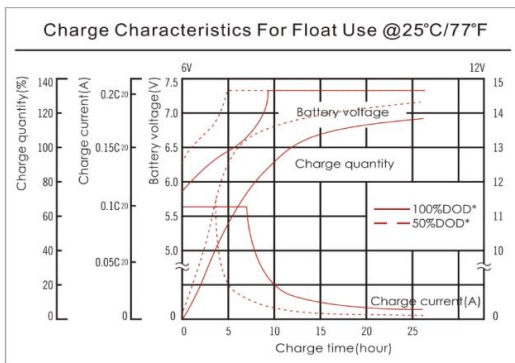
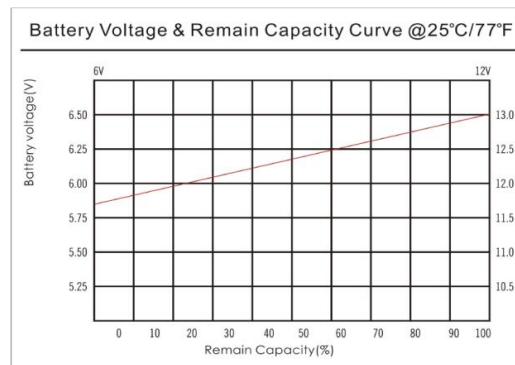
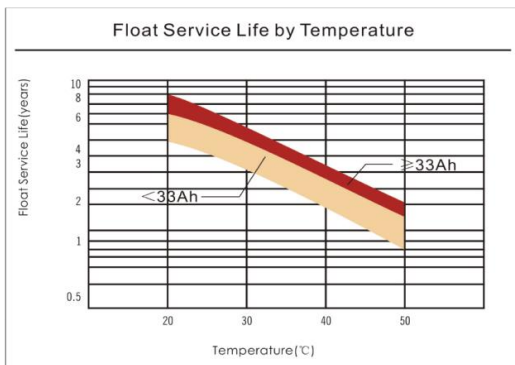
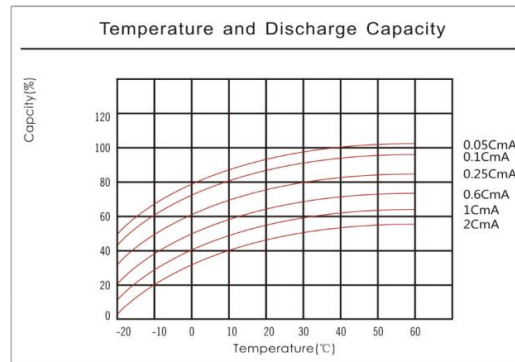
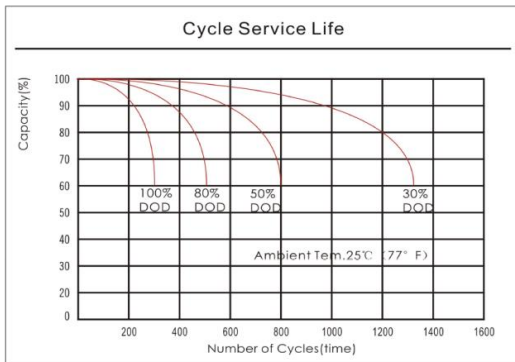
| F. V/TIME | 5min | 10min | 15min | 30min | 60min | 2h   | 3h   | 4h   | 5h   | 10h  | 20h  |
|-----------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 9.60V     | 34.9 | 22.0  | 17.3  | 9.64  | 5.91  | 3.20 | 2.30 | 1.84 | 1.56 | 0.85 | 0.46 |
| 9.90V     | 33.8 | 21.4  | 16.9  | 9.44  | 5.82  | 3.18 | 2.28 | 1.83 | 1.55 | 0.85 | 0.45 |
| 10.2V     | 32.4 | 20.5  | 16.2  | 9.15  | 5.67  | 3.15 | 2.27 | 1.81 | 1.54 | 0.84 | 0.45 |
| 10.5V     | 31.0 | 19.6  | 15.7  | 8.93  | 5.56  | 3.10 | 2.25 | 1.80 | 1.53 | 0.84 | 0.45 |
| 10.8V     | 29.3 | 18.5  | 14.9  | 8.60  | 5.39  | 3.02 | 2.18 | 1.75 | 1.48 | 0.82 | 0.44 |

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

| F. V/TIME | 5min | 10min | 15min | 30min | 60min | 2h   | 3h   | 4h   | 5h   | 10h  | 20h  |
|-----------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 9.60V     | 389  | 249   | 197   | 110   | 68.4  | 37.4 | 27.3 | 21.9 | 18.6 | 10.2 | 5.48 |
| 9.90V     | 378  | 241   | 192   | 108   | 67.4  | 37.2 | 27.1 | 21.7 | 18.5 | 10.2 | 5.46 |
| 10.2V     | 362  | 231   | 185   | 105   | 65.7  | 36.9 | 26.9 | 21.6 | 18.4 | 10.1 | 5.43 |
| 10.5V     | 346  | 221   | 179   | 102   | 64.4  | 36.3 | 26.7 | 21.4 | 18.3 | 10.0 | 5.40 |
| 10.8V     | 327  | 209   | 169   | 98.6  | 62.4  | 35.4 | 25.9 | 20.8 | 17.7 | 9.84 | 5.29 |

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

# Series -Long Life Standby AGM Characteristics Curve



**NHAT NANG JOINT STOCK COMPANY**

Địa chỉ : Số 11 Đường 6D Phường Phước Bình Quận 9 Thành Phố Hồ Chí Minh

TELL : 02862809939

Web : <http://acquy.asia>