# free-maintenance battery Technology Specification

**Customer** _____

**Part name** free-maintenance battery

**Model No** PK-1222 （12V2.2AH）

**Serial No** _____

**Produce No** _____

| | | | |
|---|---|---|---|
| **Approved by** | | **Drafted by** | Wenfei liang |
| **Checked by** | | **Signed by** | Xiaojun nie |
| **Prepared by** | | **Valid Date** | 2018-10-30 |

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# free-maintenance battery

PK-1222 **[12V2.2AH]**

**• Outer dimensions(mm)**



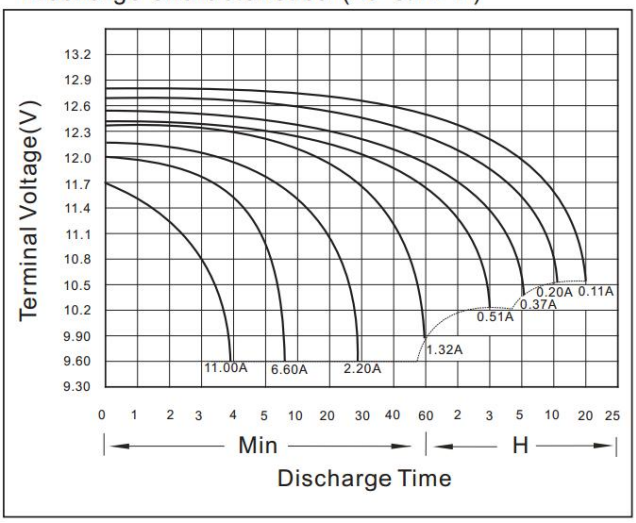




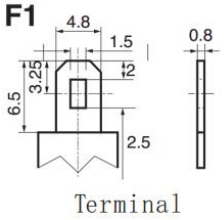
## Specifications

| | | | | |
|---|---|---|---|---|
| Nominal Voltage | | 12V | Rated Capacity (20 hour rate) | 2.2AH |
| Dimensions ±1mm | Length | 178mm 7.00 inches | Weight Approx : | 895g |
| | Width | 34mm 1.34 inches | Standard Terminal | F1 |
| | Height | 60mm 2.36 inches | | |
| | Total Height (With Terminals) | 65mm 2.56 inches | Optional Terminal | N/A |

• Discharge Characteristics (25°C/77°F)



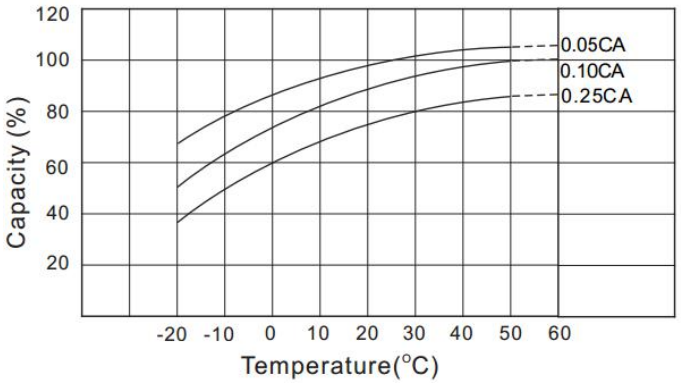

## Terminal Dimension




## Electrical Specifications

| | | | | |
|---|---|---|---|---|
| Capacity 77°F(25℃) | 20 hour rate(110mA) | 2.20AH | Internal Resistance | 70 mΩ |
| | 10 hour rate(198mA) | 1.98AH | | |
| | 5 hour rate (374mA) | 1.87AH | Full charged battery 77°F (25℃) | |
| | 1 hour rate(1320mA) | 1.32AH | | |
| Capacity Affected by Temperature (20 hour rate) | 104°F (40℃) | 102% | Self-discharge 77°F(25℃) | Capacity after 1 month storage 90% |
| | 77°F (25℃) | 100% | | Capacity after 3 month storage 75% |
| | 32°F (0℃) | 80% | | Capacity after 6 month storage 65% |
| | 5°F (−15℃) | 50% | | Capacity after 12 month storage 55% |
| Charge Constant Voltage | Cycle use:Initial Charging Current less than 0.66A;Voltage 14.40~15.00V 77°F(25°C)<br>Standby use:Voltage 13.50~13.80V 77°F(25°C) | | | |

Temperature Effects in Relation to Battery Capacity






**If manufacturer want to modify the product technology specification, we won't inform you additionally)**