ADD: 4th Building,Meitai Technology Park,Guanguang Road,Longhua,Shenzhen,China.518110

# free-maintenance battery Technology Specification

**Customer** _____

**Part name** free-maintenance battery

**Model No** PK-670A （6V7.0AH）

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

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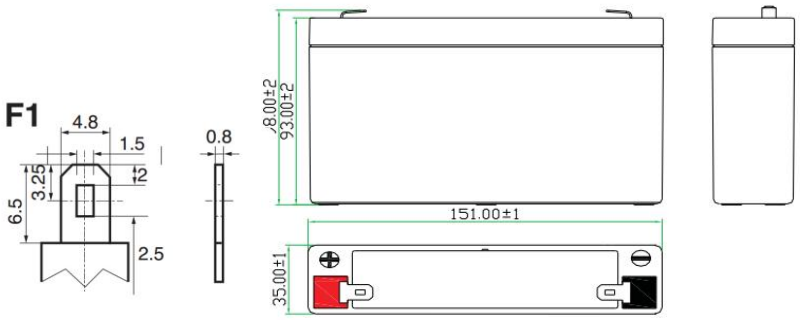
# free-maintenance battery

PK-670A **[6V7.0AH]**



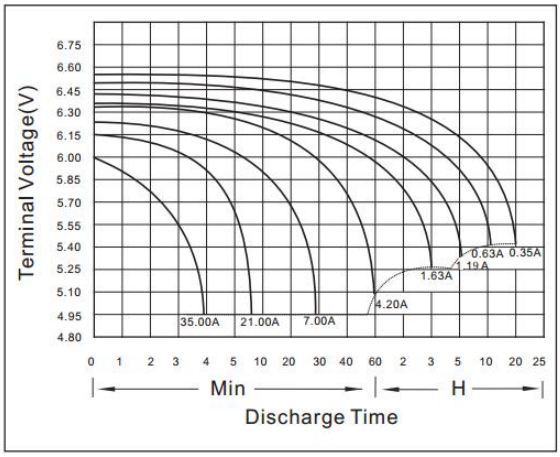

## • Outer dimensions(mm)




## Specification

| | | | | |
|---|---|---|---|---|
| **Nominal voltage** | | **6V** | **Rate Capacity (20 hour rate)** | **7.0AH** |
| **Dimensions ±1mm** | **Length** | **151mm 5.95 in** | **Weight Approx** | **1200g** |
| | **Width** | **35mm 1.38 in** | **Standard Terminal** | **F1** |
| | **Height** | **93mm 3.66 in.** | | |
| | **Total Height (With Terminals)** | **98mm 3.86 in.** | **Optional Terminal** | **N/A** |

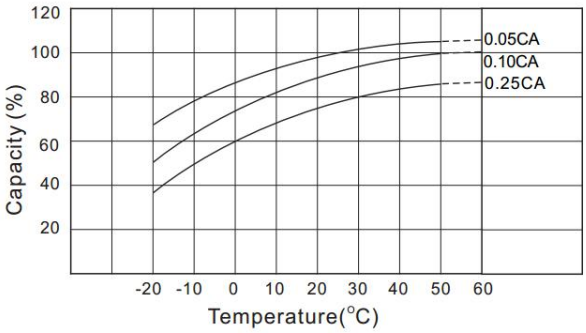
## • Discharge Characteristics( 25℃/77F° )




## Electrical Specifications

| | | | | |
|---|---|---|---|---|
| Capacity 77° F(25℃) | 20 hour rate(350mA) | 7.0AH | Internal Resistance | 20mΩ |
| | 10 hour rate(630mA) | 6.3AH | | |
| | 5 hour rate(1190mA) | 5.9AH | Full charged battery | |
| | 1 hour rate(4200mA) | 4.2AH | | |
| Capacity Affected by Temperature (20hour 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 2.10A; Voltage 7.20~7.50V 77° F(25℃)<br>Standby use :Voltage 6.75~6.90V 77° F(25℃) | | | |

Tem perature Effects in Relation to Battery Capacity



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