# free-maintenance battery
# Technology Specification

**Customer** _____

**Part name** free-maintenance battery

**Model No** PK-1270S （12V7.0Ah）

**Serial No** _____

**Produce No** _____

| | | | |
|---|---|---|---|
| **Approved by** | | **Drafted by** | WenFei Liang |
| **Checked by** | | **Signed by** | Xiaojun nie |
| **Prepared by** | | **Valid Date** | 2018-10-31 |

Company address: 4th Building,Meitai Technology Park,Guanguang Road,Longhua,Shenzhen,China.
（Tel）： +86-755-86670672
（Fax）： +86-755-86670609
E-mail： pkcell@pkcell.net pkcell@pkcell.com
Website： http://www.pkcell.net http://www.pkcell.com

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

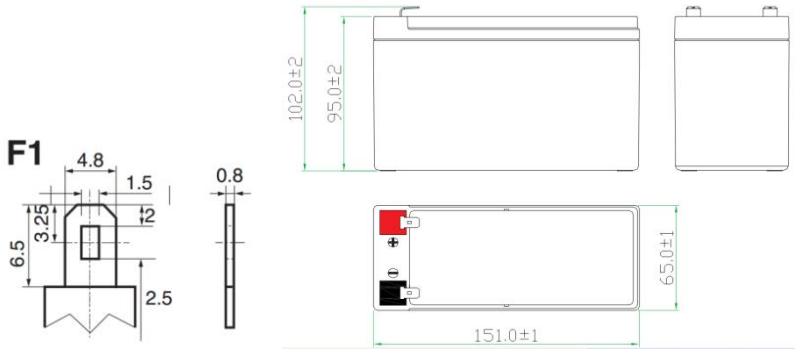
ADD: 4th Building,Meitai Technology Park,Guanguang Road,Longhua,Shenzhen,China.518110

# free-maintenance battery

## PK-1270S [12V7.0AH]




## • Outer dimensions(mm)

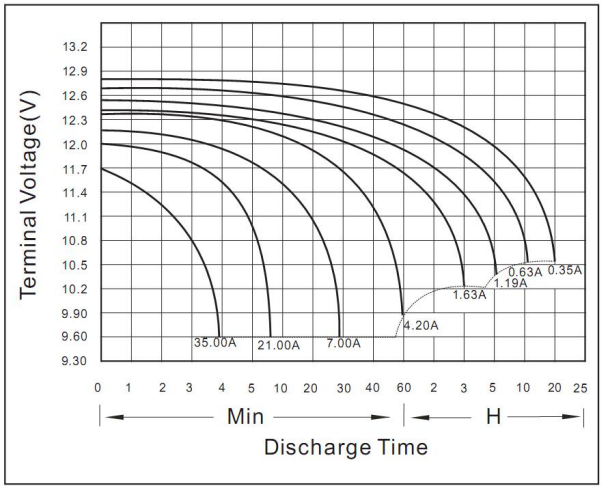



Terminal

## Specification

| | | | | |
|---|---|---|---|---|
| Nominal voltage | | 12V | Rate Capacity (20 hour rate) | 7.0AH |
| Dimensions ±1mm | Length | 151mm 5.94 in. | Weight Approx | 2000g |
| | Width | 65mm 2.56 in. | Standard Terminal | F1 |
| | Height | 95mm 3.74 in. | | |
| | Total Height (With Terminals) | 102mm 4.01 in. | Optional Terminal | N/A |

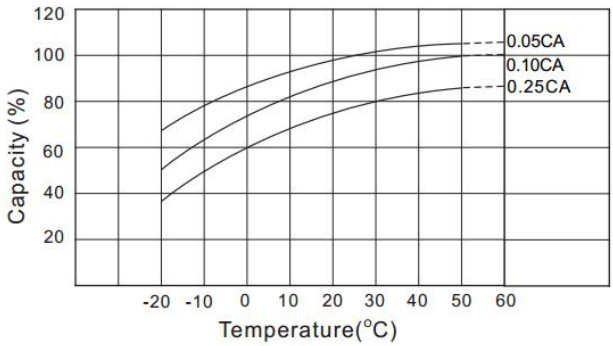
## • Discharge Characteristics( 25℃/77F° )




## Electrical Specifications

| | | | | |
|---|---|---|---|---|
| Capacity 77° F(25℃) | 20 hour rate(350mA) | 7.0AH | Internal Resistance | 30mΩ |
| | 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 14.20~15.00V 77° F(25℃)<br>Standby use: Voltage 13.50~13.80V 77° F(25℃) | | | |

Temperature Effects in Relation to Battery Capacity






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