

free-maintenance battery Technology Specification

Customer _____

Part name **free-maintenance battery**

Model No **PK-650 (6V 5.0AH)**

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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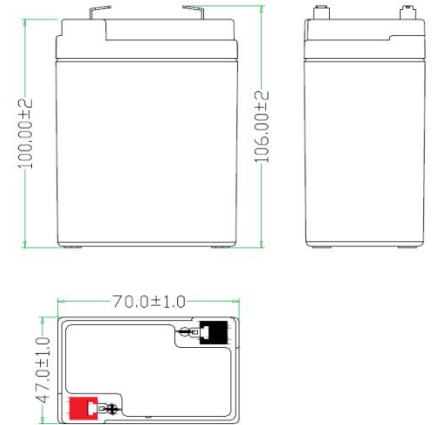
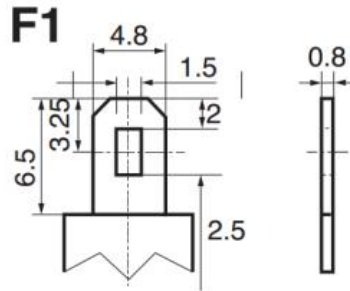
E-mail: pkcell@pkcell.net pkcell@pkcell.com

Website: <http://www.pkcell.net> <http://www.pkcell.com>

free-maintenance battery

PK-650 [6V 5.0AH]

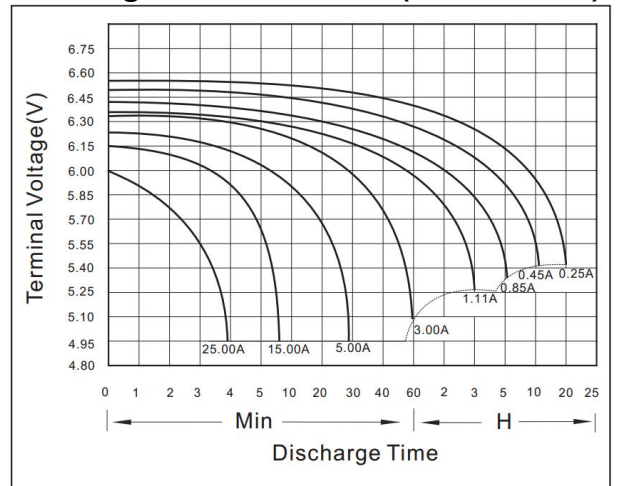
• Outer dimensions(mm)



Specification

| | | | | |
|-----------------|-------------------------------|----------------|------------------------------|-------|
| Nominal voltage | | 6V | Rate Capacity (20 hour rate) | 5.0AH |
| Dimensions ±1mm | Length | 70mm 2.75 in. | Weight Approx | 800g |
| | Width | 47mm 1.85 in. | Standard Terminal | F1 |
| | Height | 100mm 3.94 in. | | |
| | Total Height (With Terminals) | 106mm 4.17 in. | Optional Terminal | N/A |

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



Electrical Specifications

| | | | | |
|--|--|-------|---------------------------|-------------------------------------|
| Capacity 77° F(25°C) | 20 hour rate(225mA) | 5.0AH | Internal Resistance | 35m Ω |
| | 10 hour rate(410mA) | 4.5AH | | |
| | 5 hour rate(765mA) | 4.3AH | | |
| | 1 hour rate(2700mA) | 2.8AH | | |
| Full charged battery | | | | |
| Capacity Affected by Temperature (20hour rate) | 104° F(40°C) | 102% | Self-discharge 77°F(25°C) | Capacity after 1 month storage 90% |
| | 77° F(25°C) | 100% | | Capacity after 3 month storage 75% |
| | 32° F(0°C) | 80% | | Capacity after 6 month storage 65% |
| | 5° F(-15°C) | 50% | | Capacity after 12 month storage 55% |
| Charge Constant Voltage | Cycle use: Initial Charging Current less than 1.20A; Voltage 7.20~7.50V 77° F(25°C) Standby use :Voltage 6.75~6.90V 77° F(25°C) | | | |

Tem perature Effects in Relation to Battery Capacity

