

## free-maintenance battery Technology Specification

Customer \_\_\_\_\_

Part name **free-maintenance battery**

Model No **PK-1250C (12V5.0AH)**

Serial No \_\_\_\_\_

Produce No \_\_\_\_\_

Approved by		Drafted by	Wenfei liang
Checked by		Signed by	Xiaojun nie
Prepared by		Valid Date	2018-10-31

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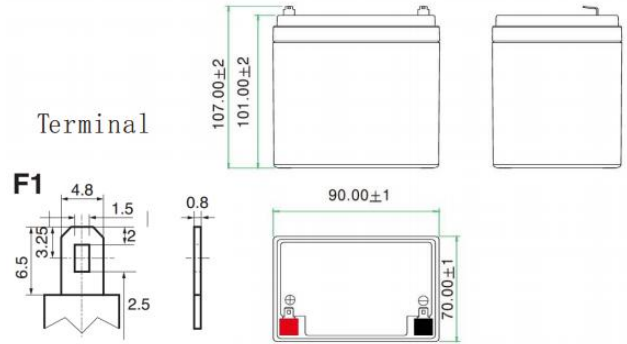
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**free-maintenance battery**

**PK-1250C [12V5.0AH]**

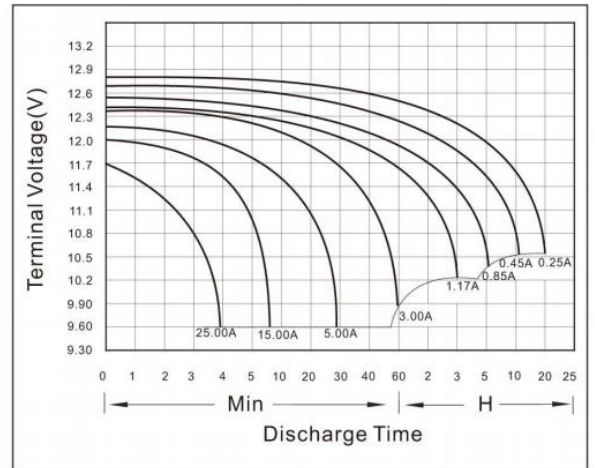
• **Outer dimensions(mm)**



**Specification**

<b>Nominal voltage</b>		<b>12V</b>	<b>Rate Capacity (20 hour rate)</b>	<b>5AH</b>
<b>Dimensions ±1mm</b>	<b>Length</b>	<b>90mm 3.54 in.</b>	<b>Weight Approx</b>	<b>1680g</b>
	<b>Width</b>	<b>70mm 2.76 in.</b>	<b>Standard Terminal</b>	<b>F1</b>
	<b>Height</b>	<b>101mm 3.94 in.</b>	<b>Optional Terminal</b>	<b>N/A</b>
	<b>Total Height (With Terminals)</b>	<b>107mm 4.21 in.</b>		

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



**Electrical Specifications**

Capacity 77° F(25°C)	20 hour rate(250mA)	5.0AH	Internal Resistance	25m Ω
	10 hour rate(450mA)	4.5AH		
	5 hour rate(850mA)	4.3AH	Full charged battery	
	1 hour rate(3000mA)	3.0AH		
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 1.50A; Voltage 14.20~15.00V 77° F(25°C) Standby use: Voltage 13.50~13.80V 77° F(25°C)			

Temperature Effects in Relation to Battery Capacity

