

## free-maintenance battery Technology Specification

Customer \_\_\_\_\_

Part name **free-maintenance battery**

Model No **PK-1290 (12V9.0Ah)**

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

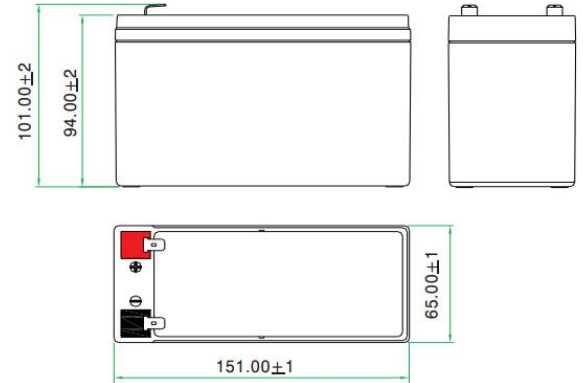
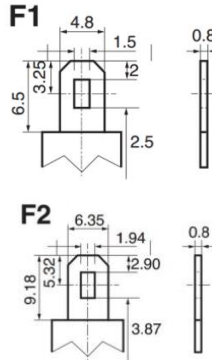
E-mail: [pkcell@pkcell.net](mailto:pkcell@pkcell.net)      [pkcell@pkcell.com](mailto:pkcell@pkcell.com)

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

**free-maintenance battery**

**PK-1290 [12V 9.0Ah]**

• Outer dimensions(mm)

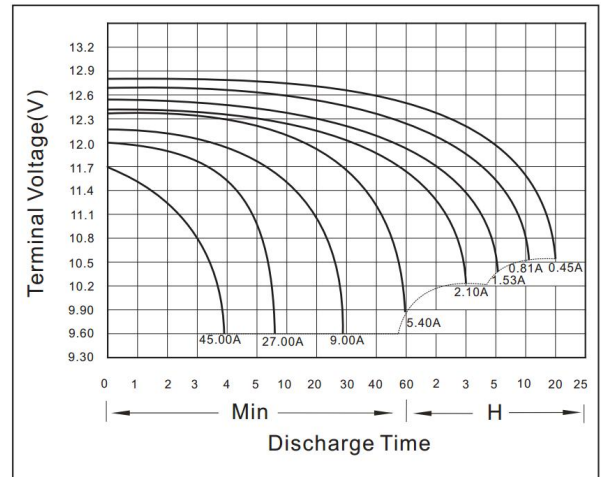


**Terminal**

**Specification**

<b>Nominal voltage</b>		<b>12V</b>	<b>Rate Capacity (20 hour rate)</b>	<b>9.0Ah</b>
<b>Dimensions ±1mm</b>	<b>Length</b>	<b>151mm 5.94 in.</b>	<b>Weight Approx</b>	<b>2340g</b>
	<b>Width</b>	<b>65mm 2.56 in.</b>	<b>Standard Terminal</b>	<b>F1</b>
	<b>Height</b>	<b>94mm 3.70 in.</b>		
	<b>Total Height (With Terminals)</b>	<b>101mm 3.98 in.</b>	<b>Optional Terminal</b>	<b>F2</b>

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



**Electrical Specifications**

<b>Capacity 77° F(25°C)</b>	20 hour rate(450mA)	9.0AH	<b>Internal Resistance</b>	<b>22m Ω</b>
	10 hour rate(810mA)	8.1AH		
	5 hour rate(1530mA)	7.7AH		
	1 hour rate(5400mA)	5.4AH		
<b>Capacity Affected by Temperature (20hour rate)</b>	104° F(40°C)	102%	<b>Self-discharge 77° F(25°C)</b>	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%
<b>Charge Constant Voltage</b>	Cycle use: Initial Charging Current less than 2.70A; Voltage 14.40~15.00V 77° F(25°C) Standby use: Voltage 13.50~13.80V 77° F(25°C)			

**Temperature Effects in Relation to Battery Capacity**

