

free-maintenance battery Technology Specification

Customer _____

Part name **free-maintenance battery**

Model No **PK-12120S (12V12AH)**

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

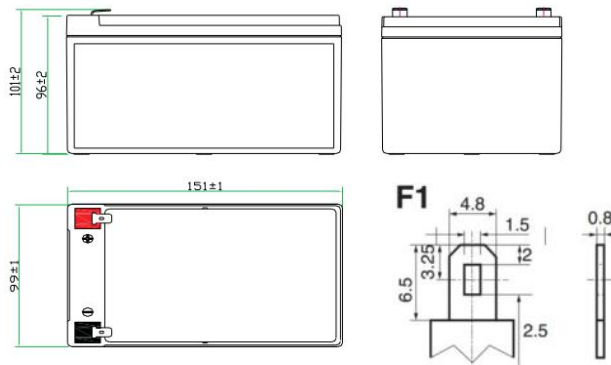
Website: <http://www.pkcell.net> <http://www.pkcell.com>

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

free-maintenance battery

PK-12120S [12V12AH]

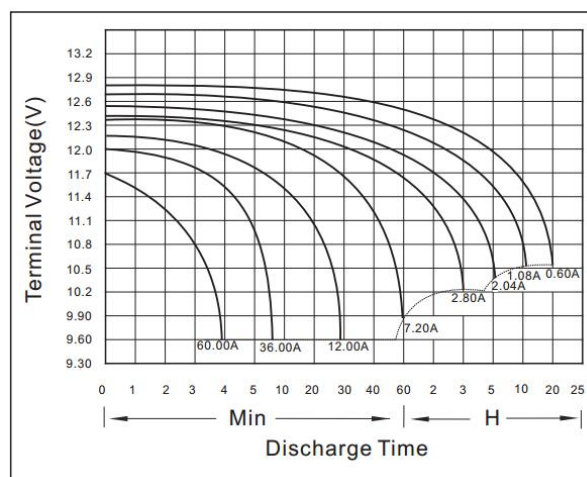
• Outer dimensions(mm)



Specification

Nominal voltage		12V	Rate Capacity (20 hour rate)	12AH
Dimensions ±1mm	Length	151mm 5.94 in.	Weight Approx	3300g
	Width	99mm 3.90 in.	Standard Terminal	F1
	Height	96mm 3.78 in.		
	Total Height (With Terminals)	101mm 3.98 in.	Optional Terminal	N/A

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



Electrical Specifications

Capacity 77° F(25°C)	20 hour rate(0.6A)	12AH	Internal Resistance	30m Ω
	10 hour rate(1.08A)	10.8AH		
	5 hour rate(2.04A)	10.2AH		
	1 hour rate(7.2A)	7.2AH		
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 3.60A; 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

