

free-maintenance battery Technology Specification

Customer _____

Part name **free-maintenance battery**

Model No **PK-12200 (12V20Ah)**

Serial No _____

Produce No _____

Approved by		Drafted by	WenFei Liang
Checked by		Signed by	Xiaojun nie
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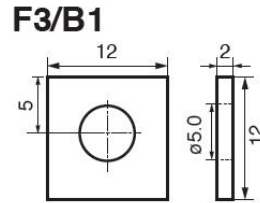
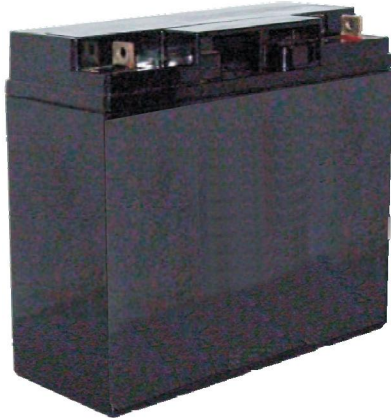
E-mail: pkcell@pkcell.net pkcell@pkcell.com

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

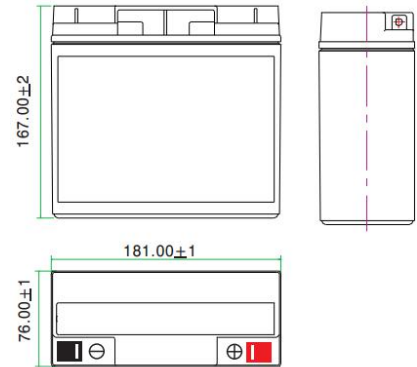
free-maintenance battery

PK-12200 [12V 20.0AH]

• **Outer dimensions(mm)**



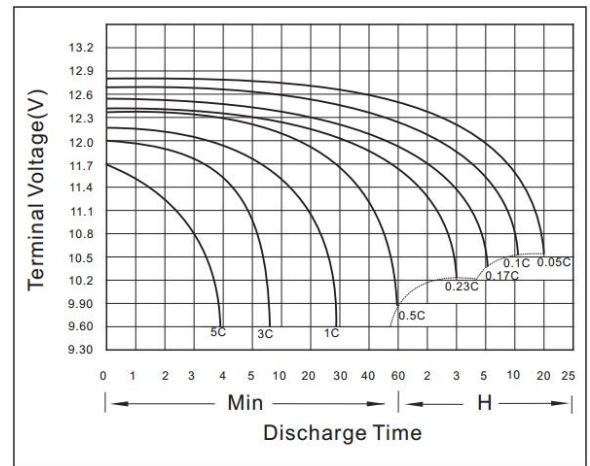
Terminal



Specification

Nominal voltage		12V	Rate Capacity (20 hour rate)	20AH
Dimensions ±1mm	Length	181mm 7.13 in.	Weight Approx	5980g
	Width	76mm 2.99 in.	Standard Terminal	B1
	Height	167mm 6.57 in.		Optional Terminal
	Total Height (With Terminals)	167mm 6.57 in.		

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



Electrical Specifications

Capacity 77° F(25°C)	20 hour rate(1000mA)	20.0AH	Internal Resistance	12m Ω
	10 hour rate(1800mA)	18.0AH		
	5 hour rate(3400mA)	17.0AH		
	1 hour rate(12000mA)	12.0AH		
Capacity Affected by Temperature (20hour rate)	104° F(40°C)	102%	Full charged battery	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 5.10A; 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

