

## free-maintenance battery Technology Specification

Customer \_\_\_\_\_

Part name **free-maintenance battery**  
\_\_\_\_\_

Model No **PK-121000 (12V100AH)**  
\_\_\_\_\_

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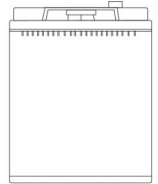
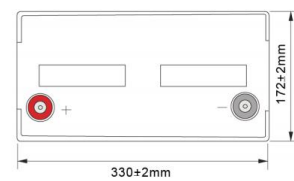
Website: <http://www.pkcell.net>      <http://www.pkcell.com>

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**free-maintenance battery**

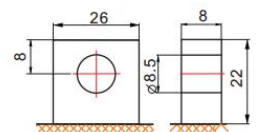
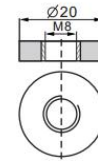
**PK-121000 [12V100.0AH]**

• Outer dimensions(mm)



T5 Terminal

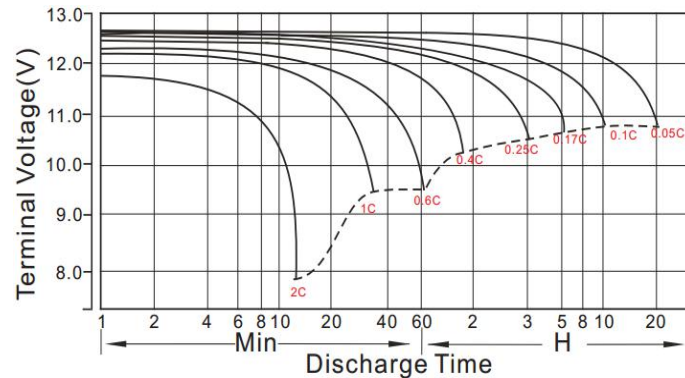
F7 Terminal



**Specification**

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

Nominal voltage		<b>12V</b>	Rate Capacity (10 hour rate)	<b>100AH</b>
Dimensions ±1mm	Length	330±2mm	Weight Approx	29.0Kg
	Width	172±2mm		
	Height	214±2mm.	Standard Terminal	T5 or F7
	Total Height (With Terminals)	220±3mm.		
			Optional Terminal	N/A



**Electrical Specifications**

Nominal Voltage	12V(6cells)		Internal Resistance	5.6mΩ
Nominal Capacity	100AH(10hr,1.8V/cell,77 ° F/25°C)			
	85AH(5hr,1.75V/cell,77° F/25°C)		Full charged battery	
60AH(1hr,1.6V/cell,77° F/25°C)				
Capacity Affected by Temperature	104° F(40°C)	103 %	Self-discharge 77 °F(25 °C)	CASIL CA series batteries may be stored for up to 6months at 25 C(77 F)and then a freshening charge is required. O O For higher temperatures the time interval will be shorter.
	77° F(25°C)	100 %		
	32° F(0°C)	86%		
Charge Constant Voltage	Cycle use: Initial Charging Current less than 30A; 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**

