free-maintenance battery
Technology Specification

Customer _____

Part name free-maintenance battery

Model No PK-12400B （12V40AH）

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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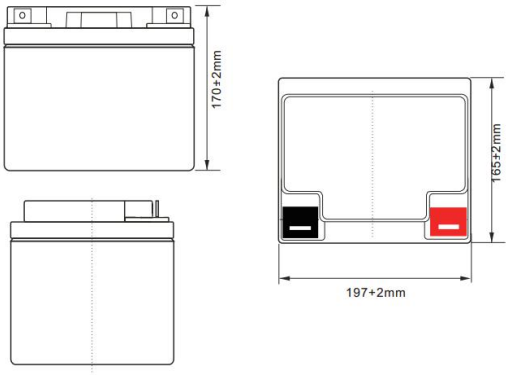
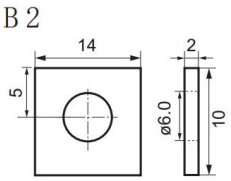
free-maintenance battery

PK-12400B [12V40.0AH]

• Outer dimensions(mm)



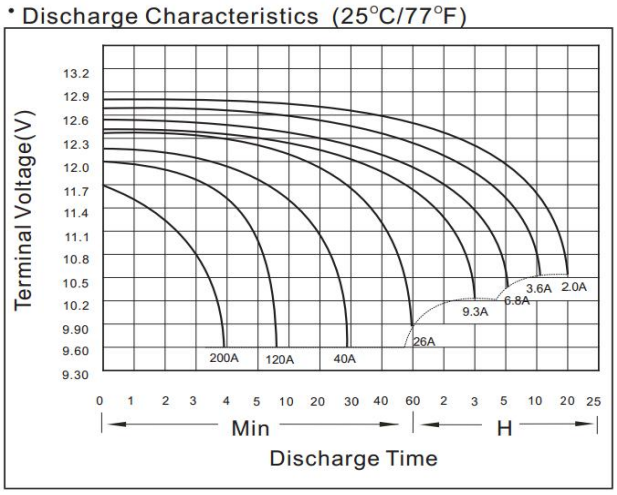
Terminal Dimensions(mm)



Specification

Nominal voltage		12V	Rate Capacity (10 hour rate)	40AH
Dimensions ±2mm	Length Width Height Total Height (With Terminals)	197mm 7.76 in. 166mm 6.54 in. 170mm 6.69 in. 170mm 6.697 in.	Weight Approx	13kg
			Standard Terminal	B2
			Optional Terminal	N/A

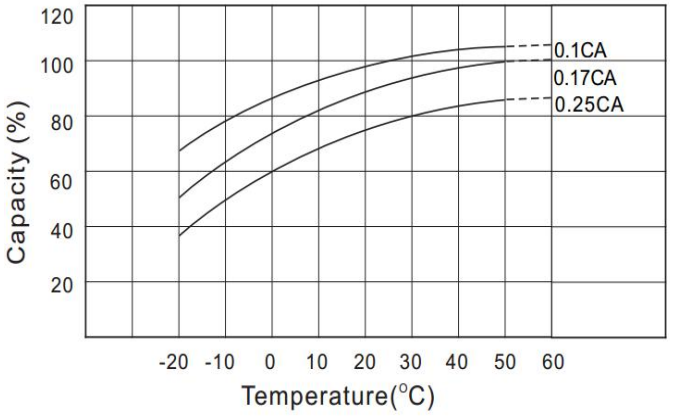
• Discharge Characteristics(25℃/77F°)



Electrical Specifications

Nominal Voltage	12V(6cells)		Internal Resistance	7mΩ
Nominal Capacity	40AH(20hr,1.8V/cell,77° F/25℃)			
	36.8AH(10hr,1.8V/cell,77° F/25℃)			
	34.0AH(5hr,1.75V/cell,77° F/25℃)		Full charged battery	
	26.0AH(1hr,1.6V/cell,77° F/25℃)			
Capacity Affected by Temperature	104° F(40℃)	102 %	Self-discharge 77 °F(25℃)	Capacity after 1 month storage 95%
	77° F(25℃)	100 %		Capacity after 3 month storage 90%
	32° F(0℃)	85%		Capacity after 6 month storage 80%
	5° F(-15℃)	65%		Capacity after 9 month storage 60%
Charge Constant Voltage	Cycle use: Initial Charging Current less than 12A; Voltage 14.20~15.00V 77° F(25℃) Standby use: Voltage 13.50~13.80V 77° F(25℃)			

Temp erature Effects in Relation to Battery Capacity



If manufacturer want to modify the product technology specification, we won't inform you additionally)