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

free-maintenance battery Technology Specification

Customer _____

Part name free-maintenance battery

Model No PK-12180S （12V18AH）

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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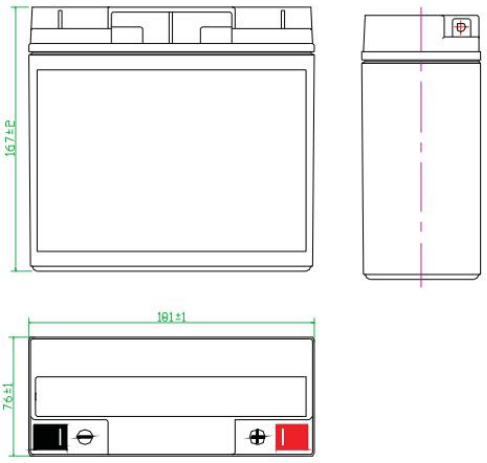
free-maintenance battery

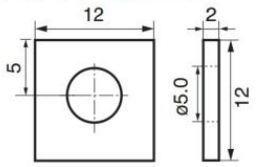
PK-12180S **[12V18AH]**



• Outer dimensions(mm)



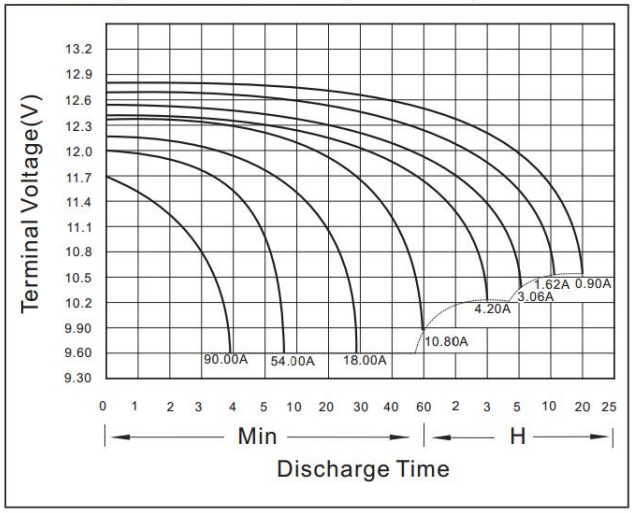
F3/B1 Terminal



Specifications

Nominal Voltage		12V	Rated Capacity (20 hour rate)	18AH
Dimensions ±1mm	Length	181mm 7.13 inches	Weight Approx :	5000g
	Width	76mm 2.99 inches	Standard Terminal	F3
	Height	167mm 6.57 inches		
	Total Height (With Terminals)	167mm 6.57 inches	Optional Terminal	N/A

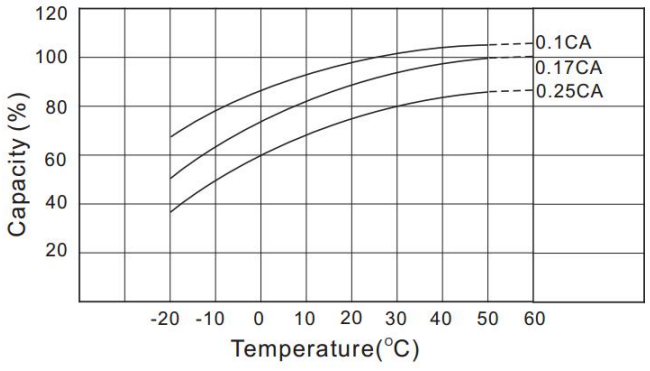
• Discharge Characteristics (25°C/77°F)



Electrical Specifications

Capacity 77°F(25℃)	20 hour rate(900mA)	18.0AH	Internal Resistance	20 mΩ
	10hour rate(1620mA)	16.2AH		
	5 hour rate (3060mA)	15.3AH	Full charged battery 77°F (25℃)	
	1hour rate(10800mA)	10.8AH		
Capacity Affected by Temperature (20 hour rate)	104°F (40℃)	102%	Self-discharge 77°F(25℃)	Capacity after 1 month storage 90%
	77°F (25℃)	100%		Capacity after 3 month storage 75%
	32°F (0℃)	80%		Capacity after 6 month storage 65%
	5°F (–15℃)	50%		Capacity after 12 month storage 55%
Charge Constant Voltage	Cycle use:Initial Charging Current less than 5.40A;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



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