

## free-maintenance battery Technology Specification

**Customer** \_\_\_\_\_

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

**Model No** **PK-645 (6V4.5AH)**  
\_\_\_\_\_

**Serial No** \_\_\_\_\_

**Produce No** \_\_\_\_\_

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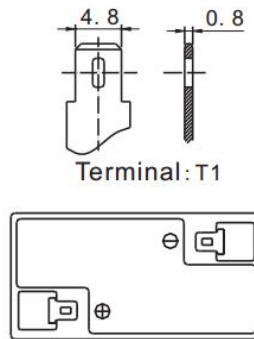
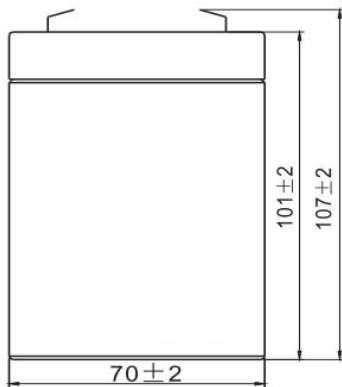
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**free-maintenance battery**

PK-645 [6V4.5AH]

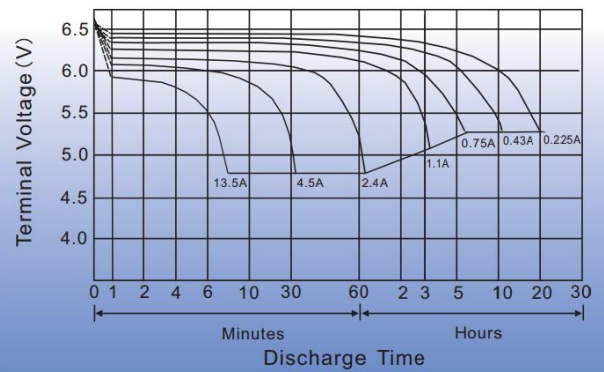
• Outer dimensions(mm)



**Specification**

<b>Nominal voltage</b>		<b>6V</b>	<b>Rate Capacity (20 hour rate)</b>	<b>4.5AH</b>
<b>Dimensions ±1mm</b>	<b>Length</b>	70mm 2.76 in.	<b>Weight Approx</b>	<b>0.72kg</b>
	<b>Width</b>	47mm 1.85 in.	<b>Standard Terminal</b>	<b>T1</b>
	<b>Height</b>	101mm 3.98 in.		
	<b>Total Height (With Terminals)</b>	107mm 4.21 in.	<b>Optional Terminal</b>	<b>N/A</b>

**DISCHARGE TIME VS. DISCHARGE CURRENT (25°C)**



**Electrical Specifications**

Capacity 77° F(25°C)	20 hour rate(225mA, 3.5V)	4.5AH	Internal Resistance		21mΩ
	Full charged battery				
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 1.35A; Voltage 7.35~7.5V 77° F(25°C) Standby use: Voltage 6.75~6.90V 77° F(25°C)				

**TEMPERATURE EFFECTS CURVE**

