

Technology	Feature
<ul style="list-style-type: none"> <li>Lithium Ion Polymer Battery</li> <li>Li[NiCoMn]O<sub>2</sub>-based Cathode</li> <li>Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> based Anode</li> </ul>	<ul style="list-style-type: none"> <li>Rapid Charging Available</li> <li>Low Temperature Charging Available</li> <li>Long Life Cycle</li> <li>Wide Temperature Range</li> </ul>

**Product General Specification**

**Mechanical Characteristics**

Model	Q013
Length	216 ± 1 mm (without terminal)
Width	130 ± 1 mm
Thickness	7.5 ± 0.2 mm
Weight	approx.450 g

**Electrical Characteristics**

Nominal Voltage	2.2 V
Nominal Capacity	12.5 Ah
AC Impedance ( 1 KHz)	< 5 mΩ
Specific Energy	60 Wh/Kg
Energy Density	130 Wh/L

**Operating Conditions**

<b>Charge Conditions :</b> Recommended Charge Method Maximum Charge Voltage Recommended Charge Current Maximum Charge Current	CC / CV 2.7V up to 6 C Current 15 C Current
<b>Discharge Conditions :</b> Recommended Voltage Limit for Discharge Recommended Discharge Current Maximum Discharge Current ( Continuous ) Maximum Discharge Current ( Peak < 10 sec )	1.5V up to 6 C Current 10 C Current 15 C Current
<b>Operating Temperature :</b> Recommended Charge Temperature Storage Temperature	-30 °C / + 50 °C 0 °C / + 40 °C -30 °C / + 50 °C
Cycle Life at 25 °C (1C Charge / 1C Discharge DOD100%)	3000 Cycles to 80% Nominal Capacity

**ePLB Q013 Performance**

