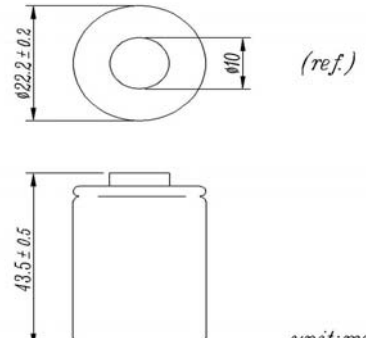
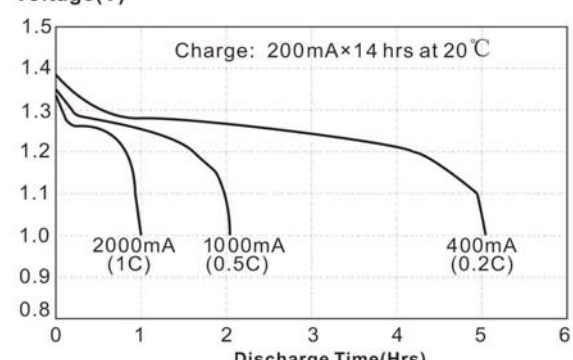
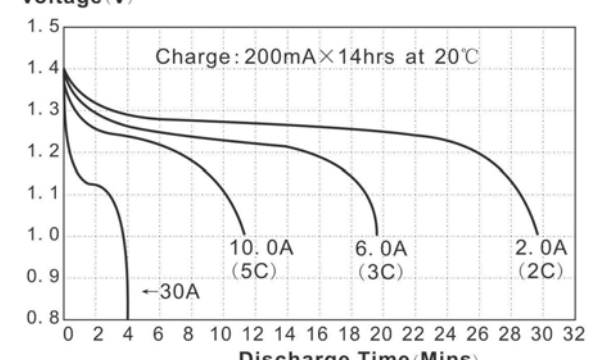
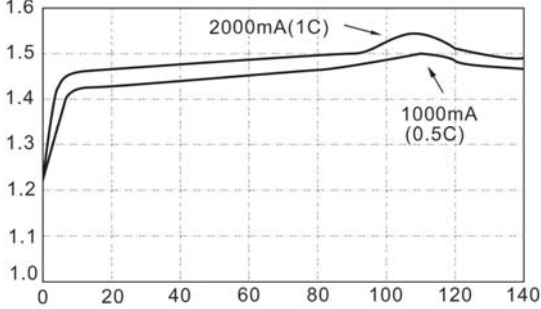


# Date Sheet

## Sealed Rechargeable Cylindrical cell Nickel Metal Hydride SC-2000 mAh

<b>Type</b>	Enrichpower SC2000
<b>System</b>	Sealed rechargeable Ni-MH Cylindrical cell
<b>Nominal Voltage</b>	1.2V
<b>Application</b>	Discharge current 200mA to 20A (Continuous)
<b>Capacity</b>	(discharged at 0.2C to 1.0v at 20°C) <ul style="list-style-type: none"> <li>Nominal 2000mAh</li> <li>Minimum 1900mAh</li> <li>Typical 2000mAh</li> </ul>
<b>Internal resistance</b> (at 1 kHz) Fully charged, 20°C (approx)	5-7mΩ
<b>Weight approx</b>	40g
<b>Dimensions (including shrink sleeve)</b>	Diameter 22.2 (±0.2mm) Height 43.5 (±0.5mm) <div style="text-align: center; margin-top: 10px;">  <p style="text-align: right; margin-right: 50px;"><i>(ref.)</i></p> <p style="text-align: right;"><i>unit: mm</i></p> </div>
<b>Cd content (%cell w):</b>	0%
<b>Typical Discharge time &amp; Avg. Voltage (20°C)</b>	30A--240S--1.10V (TURBOMATCHER ,discharged at 30A to 0.9v at 20°C)
<p><b>Low Rate Discharge</b> Voltage(V)</p>  <p style="text-align: center;">Discharge Time(Hrs)</p>	<p><b>High Rate Discharge</b> Voltage (V)</p>  <p style="text-align: center;">Discharge Time (Mins)</p>
<b>Max. discharge current(continuous)</b>	20C

<p style="text-align: center;"><b>Charging conditions (20°C)</b></p> <p>Fast Charge (Charge Control required) Voltage(V)</p> 	<p>standard charge-----200mA 14h          quick charge-----2000mA 1.1h          fast charge -----2A to 6A          Charge termination control recommended          control parameter:</p> <ul style="list-style-type: none"> <li>• ΔV 5mV</li> <li>• DT/dt 0.8°C/min(0.5-1C)</li> <li>• 0.8°C-1°C/min(&gt;1C)</li> <li>• TCO 40-45°C</li> <li>• Timer 105%nominal input</li> </ul>										
<p style="text-align: center;"><b>Continuous</b></p>	<p style="text-align: center;">100mA maximum current for 1 year</p>										
<p style="text-align: center;"><b>Overcharge</b></p>	<p style="text-align: center;">No conspicuous deformation and/or leakage</p>										
<p style="text-align: center;"><b>Max. charging voltage</b></p>	<p style="text-align: center;">1.5V at 200mA charging</p>										
<p style="text-align: center;"><b>Operation temperatures (recommended)</b></p>	<table style="width: 100%; border: none;"> <tr> <td style="padding-right: 20px;">Storage</td> <td>-20°C up to +35°C</td> </tr> <tr> <td>Discharge</td> <td>-20°C up to +50°C</td> </tr> <tr> <td>standard charge</td> <td>0°C up to +40°C</td> </tr> <tr> <td>quick charge, fast charge</td> <td>+10°C up to +40°C</td> </tr> <tr> <td>permanent charge</td> <td>+10°C up to +45°C</td> </tr> </table>	Storage	-20°C up to +35°C	Discharge	-20°C up to +50°C	standard charge	0°C up to +40°C	quick charge, fast charge	+10°C up to +40°C	permanent charge	+10°C up to +45°C
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<p style="text-align: center;"><b>Life expectancy (20°C)</b></p>	<p style="text-align: center;">&gt;500 cycles</p>										