

**Nickel Metal Hydride Batteries**

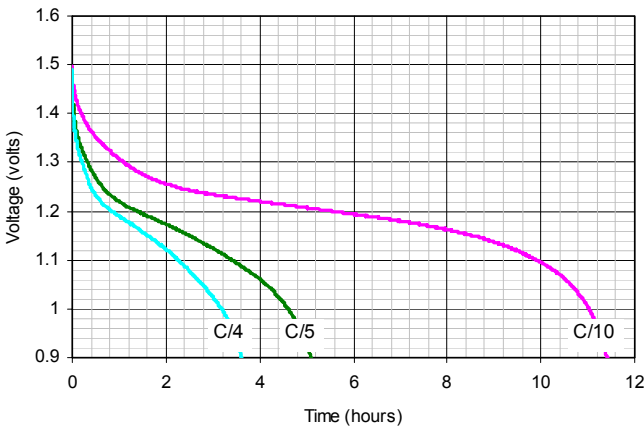
**OVERVIEW**

- Higher energy density provides longer run time than NiCds
- Environmentally friendly
- No memory effect
- Good storage capabilities
- Trickle charge compatible

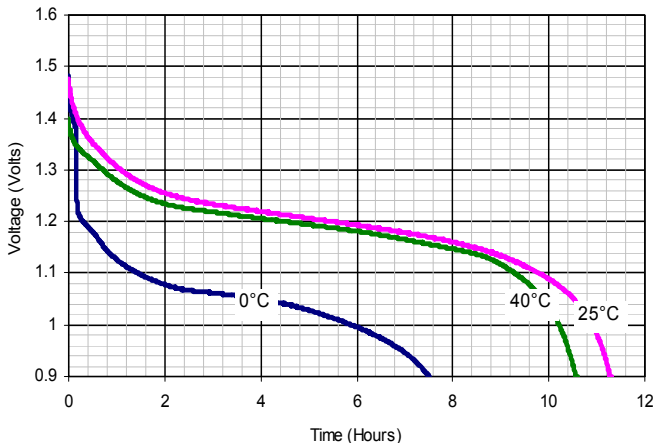
**APPLICATIONS**

- Cordless phones
- Memory backup
- Remote controls
- Home and car alarms
- Toys/Radio controlled models
- Medical equipment

C/10-C/4 Discharge Profiles @ 25°C



C/10 Discharge Profiles @ 0°C, 25°C, & 40°C



<b>Model Number</b>	<b>HB-H100</b>
<b>Cell Size</b>	<b>100 H</b>

NOT TO SCALE

**PHYSICAL CHARACTERISTICS** (includes shrink sleeve)

Dimension	Measurement (mm)	Tolerance (mm)
A	15.4	+0/-0.2
B	8.0	+0/-0.4
C	13.7	+0/-0.2
<b>Weight</b>		8.0 g

**ELECTRICAL CHARACTERISTICS**

<b>Nominal Voltage</b>		1.2 V
<b>Capacity</b>	<b>Typical</b>	115 mAh
	<b>Minimum @ C/5</b>	110 mAh
<b>Internal Resistance @ 1000 Hz</b>		650.0 mΩ
<b>Cycle Life (minimum)</b>		500 cycles

**CHARGE SPECIFICATIONS**

<b>Standard Charge</b>	C/10 for 16 hours
<b>Fast Charge (with proper termination)</b>	C/10

**DISCHARGE SPECIFICATIONS**

<b>Current</b>	<b>Continuous</b>	C/4
	<b>Spikes</b>	C/2
<b>Minimum Voltage/Voltage Cutoff</b>		1.0 V

**TEMPERATURE**

<b>Charging</b>	10°C to 40°C
<b>Discharging</b>	10°C to 40°C
<b>Storage</b>	-20°C to 30°C