

**Nickel Metal Hydride Batteries Handbook**

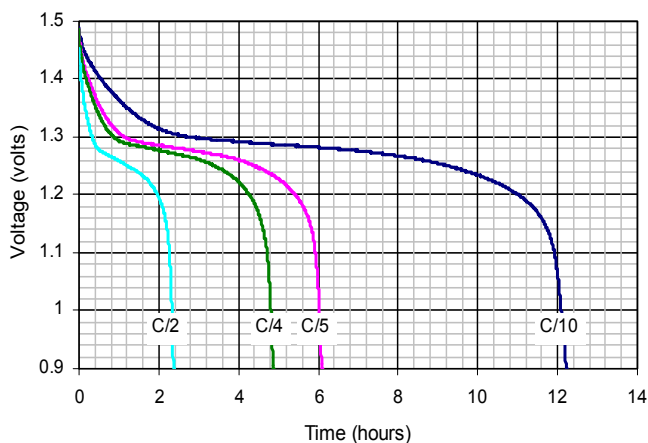
**OVERVIEW**

- Higher energy density provides longer run time than NiCds
- Environmentally friendly
- No memory effect
- Good storage capabilities
- Tolerant of overcharge conditions

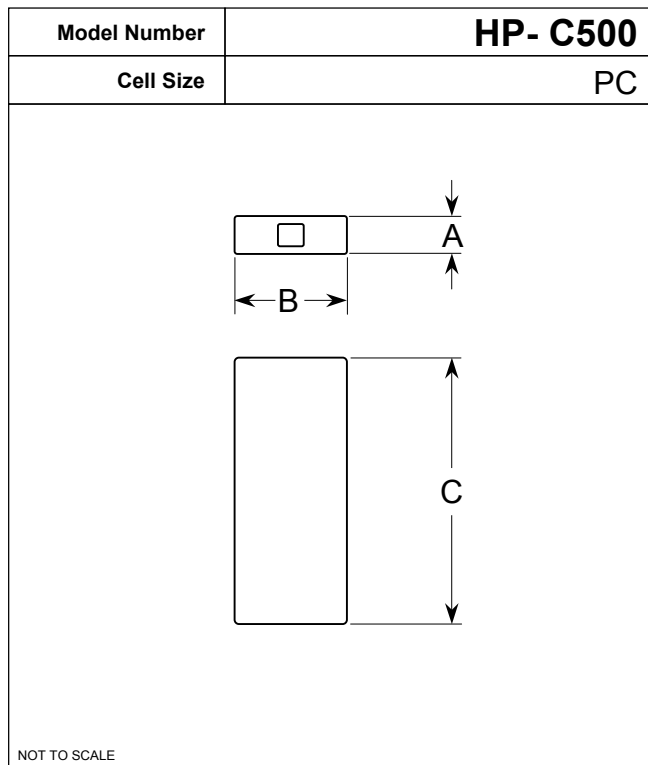
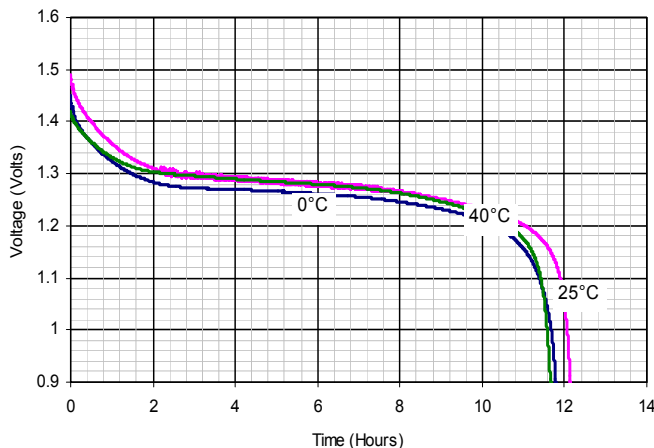
**APPLICATIONS**

- Data collection scanners
- Thermal printers
- Medical devices
- Photo equipment
- Toys/Radio controlled models
- Radios/CD players & MP3 players

C/10-C/2 Discharge Profiles @ 25°C



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



**PHYSICAL CHARACTERISTICS** (includes shrink sleeve)

Dimension	Measurement (mm)	Tolerance (mm)
A	6.1	+0/-0.7
B	17.3	+0/-0.7
C	35.5	+0/-1.0
<b>Weight</b>		12.0 g

**ELECTRICAL CHARACTERISTICS**

<b>Nominal Voltage</b>		1.2 V
<b>Capacity</b>	<b>Typical</b>	550 mAh
	<b>Minimum @ C/5</b>	500 mAh
<b>Internal Resistance @ 1000 Hz</b>		40.0 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>	1C

**DISCHARGE SPECIFICATIONS**

<b>Current</b>	<b>Continuous</b>	C
	<b>Spikes</b>	2C
<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