

## Nickel Metal Hydride Batteries

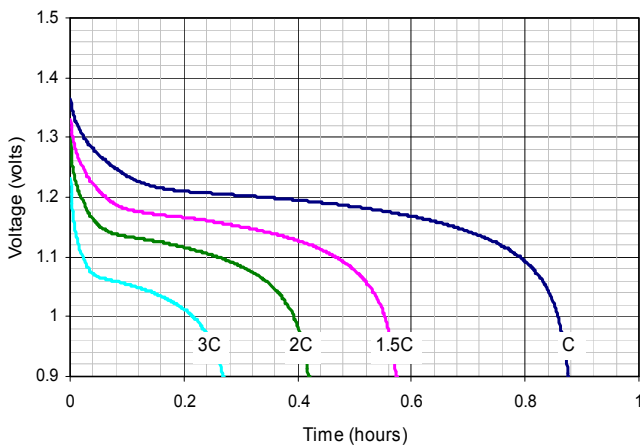
### OVERVIEW

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

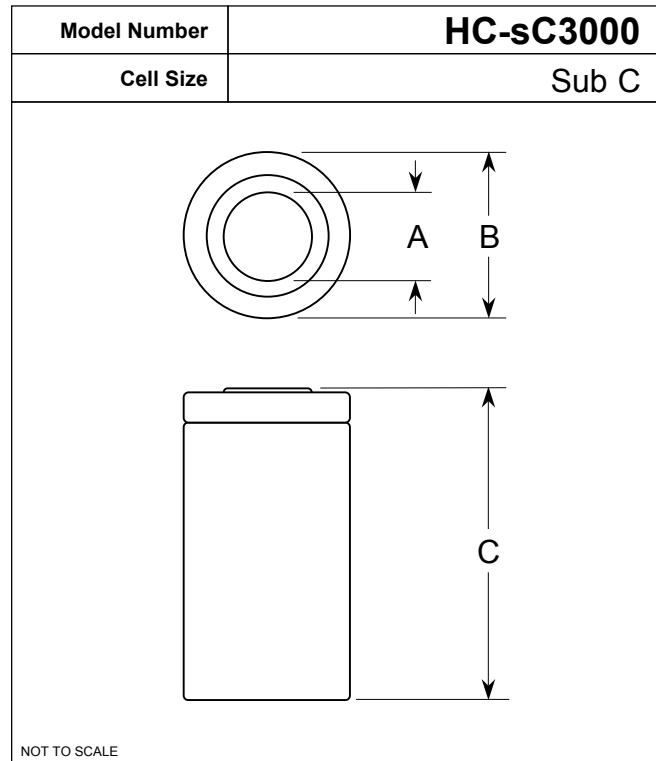
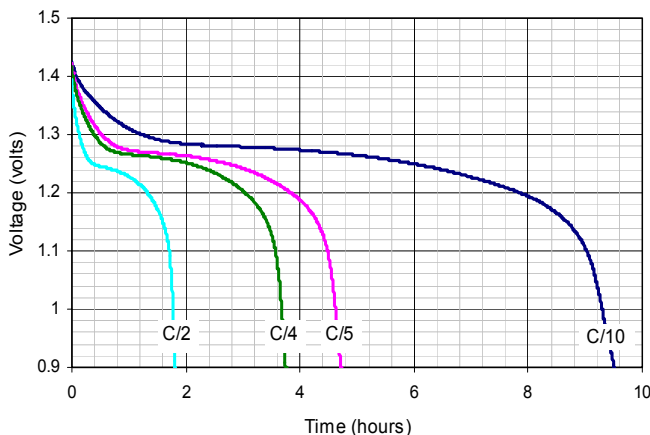
### APPLICATIONS

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

C-3C Discharge Profiles @ 25°C



C/10-C/2 Discharge Profiles @ 25°C



### PHYSICAL CHARACTERISTICS (includes shrink sleeve)

Dimension	Measurement (mm)	Tolerance (mm)
A	12.0	+0/-0.1
B	22.2	+0/-0.5
C	42.2	+0/-1.0
<b>Weight</b>		58.8 g

### ELECTRICAL CHARACTERISTICS

<b>Nominal Voltage</b>		1.2 V
<b>Capacity</b>	<b>Typical</b>	3000 mAh
	<b>Minimum @ C/5</b>	2800 mAh
<b>Internal Resistance @ 1000 Hz</b>		5.0 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>	10C
	<b>Spikes</b>	30C
<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