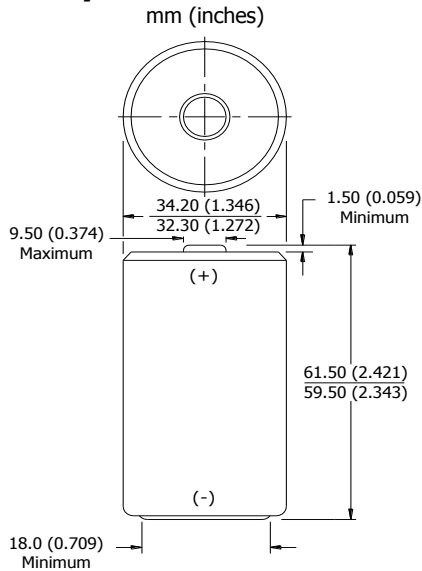


# ENERGIZER NH50-2500 (HR20)

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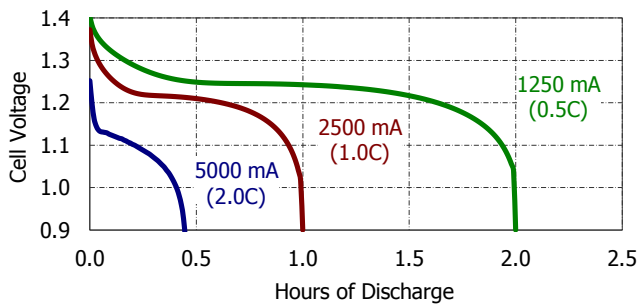
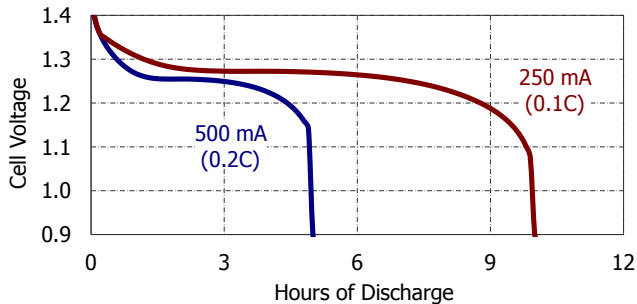


## Industry Standard Dimensions



## Discharge Characteristics

Typical Performance at 21°C (70°F)



## Specifications

|                         |   |
|-------------------------|---|
| <b>Classification:</b>  | Rechargeable                            |
| <b>Chemical System:</b> | Nickel-Metal Hydride (NiMH)             |
| <b>Designation:</b>     | ANSI-1.2H4                              |
| <b>Nominal Voltage:</b> | 1.2 Volts                               |
| <b>Rated Capacity:</b>  | 2500 mAh* at 21°C (70°F)                |
| <b>Typical Weight:</b>  | 73.0 grams (2.6 oz.)                    |
| <b>Typical Volume:</b>  | 57.0 cubic centimeters (3.5 cubic inch) |
| <b>Terminals:</b>       | Flat Contact                            |
| <b>Jacket:</b>          | Plastic                                 |

\* Based on 500 mA (0.2C rate) continuous discharge to 1.0 volts.

## Internal Resistance:

The internal resistance of the cell varies with state of charge, as follows:

|   |                            |
|---|----------------------------|
| <u>Cell Charged</u>                         | <u>Cell 1/2 Discharged</u> |
| 11 milliohms                                | 21 milliohms               |
| (tolerance of ±20% applies to above values) |                            |

## AC Impedance (no load):

The impedance of the charged cell varies with frequency, as follows:

|                       |  |
|-----------------------|--|
| <u>Frequency (Hz)</u> | <u>Impedance (milliohms)</u><br>(charged cell) |
| 1000                  | 9  |

Above values based on AC current set at 1.0 ampere.  
Value tolerances are ±20%.

## Operating and Storage Temperatures:

To maintain maximum performance, observe the following general guidelines regarding environmental conditions:

|            |                              |
|------------|------------------------------|
| Charge:    | 0°C to 40°C (32°F to 104°F)  |
| Discharge: | 0°C to 50°C (32°F to 122°F)  |
| Storage:   | -20°C to 30°C (-4°F to 86°F) |
| Humidity:  | 65±20%                       |

**NOTE:** Operating at extreme temperatures, will significantly impact battery cycle life.

## Important Notice

This data sheet contains typical information specific to products manufactured at the time of its publication.  
**Contents herein do not constitute a warranty and are for reference only.**