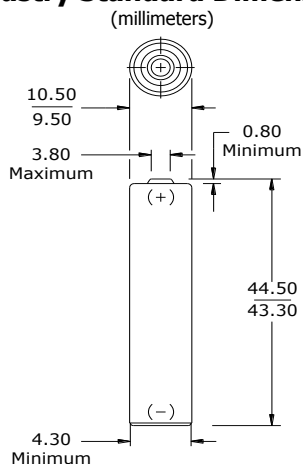


ENERGIZER NH12-500

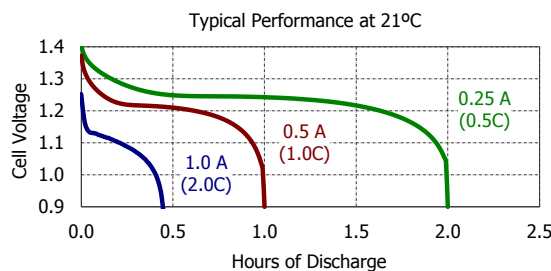
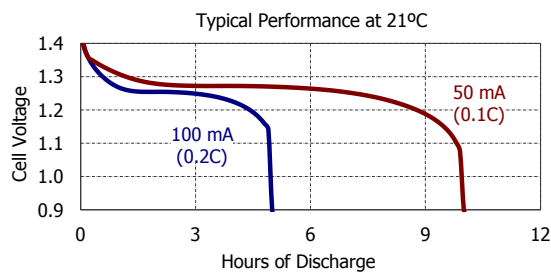
AAA



**Industry Standard Dimensions**



**Typical Discharge Characteristics**



**Classification:** Rechargeable  
**Chemical System:** Nickel-Metal Hydride (NiMH)  
**Designation:** IEC-HR03  
**Nominal Voltage:** 1.2 Volts  
**Rated Capacity:** 500 mAh (to 1.0 volts)  
 Based on 100 mA (0.2C) discharge rate  
**Typical Weight:** 12.0 grams  
**Typical Volume:** 3.8 cubic centimeters  
**Jacket:** Plastic Label

**Internal Resistance:**

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

Cell Charged	Cell 1/2 Discharged
100 milliohms	120 milliohms

(tolerance of ±20% applies to above values)

**AC Impedance (No Load):**

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

Frequency (Hz)	Impedance (milliohms) (Charged Cell)
1000	35

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  
 Discharge: 0°C to 50°C  
 Storage: -20°C to 30°C  
 Humidity: 65±20%

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

**Important Notice**

This datasheet contains typical information specific to products manufactured at the time of its publication.

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