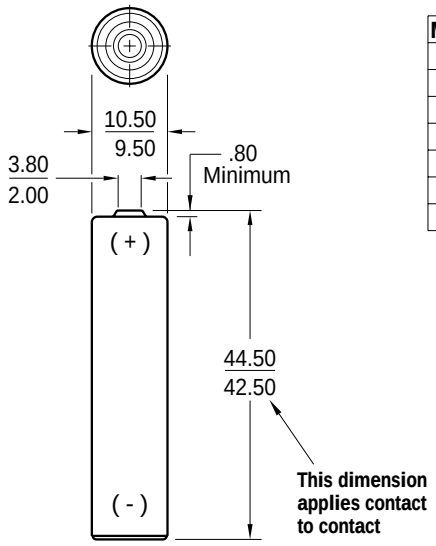
Eveready Battery Company, Inc.
Checkerboard Square
St. Louis, MO 63164
Telephone: 1-800-383-7323
Internet: www.energizer.com

Engineering Data

AAA
Rechargeable ***1.2V***
Nickel-Metal Hydride

ENERGIZER NO. NH12

Dimensions (mm)

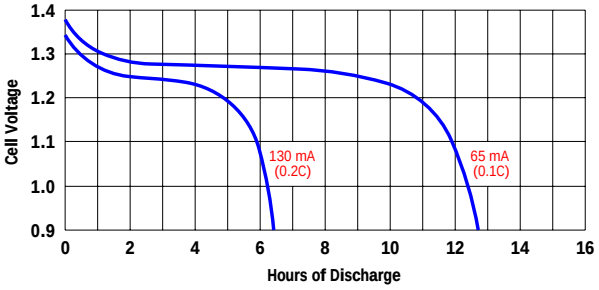


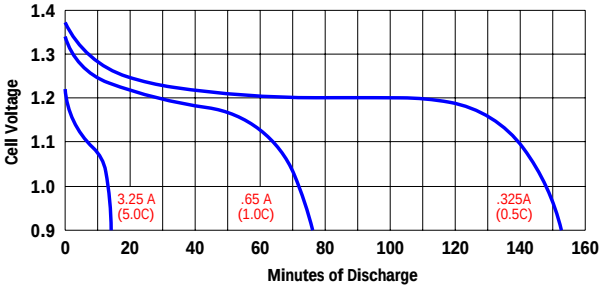
Millimeters	Inches
.80	.031
2.00	.079
3.80	.150
9.50	.374
10.50	.413
42.50	1.673
44.50	1.752

Chemical System: Nickel-Metal Hydride (NiMH)

Designations: Not Assigned
Battery Voltage: 1.2 Volts
Average Weight: 12 grams (.42 oz.)
Volume: 3.8 cubic centimeters (.23 cubic inch)
Terminals: Flat Contact
Rated Capacity (to 1.0 Volt): 650 mAh
(Based on 110 mA (0.2C) discharge rate)
Maximum Charge Rate: 110 mA
Jacket: Plastic Sleeve

TYPICAL DISCHARGE CHARACTERISTICS
Average Performance at 21°C (70°F)





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) (for charged cell)
1000	35

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

Operating and Storage Temperatures

Ranges of temperature applicable to operation of the HR03 cells are:

Charge @ 0.1C: 32°F to 122°F (0°C to 50°C)
Discharge @ 0.1C: -4°F to 122°F (-20°C to 50°C)
Storage: -40°F to 122°F (-40°C to 50°C) (6 Months Max.)
-4°F to 95°F (-20°C to 35°C) (2 Years Max.)

Operating at extreme temperature will significantly effect service and cycle life.

IMPORTANT NOTICE

This data sheet contains information specific to batteries manufactured at time of its publication. Please contact your Energizer representative for most current information. Contents herein do not constitute a warranty.