ENGINEERING DATASHEET

EVEREADY BATTERY CO. 1-800-383-7323 / USA
Internet: www.energizer.com 1-800-383-7323 / CANADA
+ 44 (0) 208 920 2306 / EUROPE

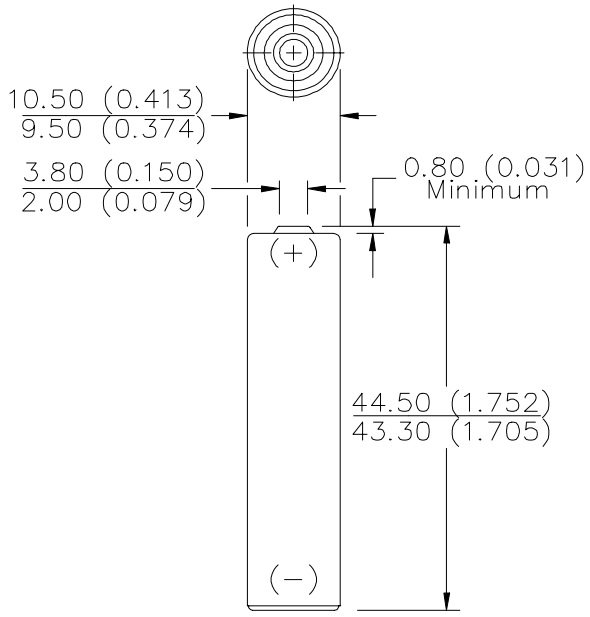
ENERGIZER NO. NH12

AAA

Description: Rechargeable 1.2V
Chemical System: Nickel-Metal Hydride (NiMH)

Designation: ANSI-1.2H1
Battery Voltage: 1.2 Volts
Average Capacity: 850 mAh (to 1.0 volts)
(Based on 170 mA (0.2C) discharge rate)
Average Weight: 12.0 grams (0.4 oz.)
Volume: 3.8 cubic centimeters (0.2 cubic inch)
Jacket: Plastic Label

Industry Standard Dimensions in mm (inches)



Internal Resistance

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

Cell Charged	Cell 1/2 Discharged
100 milliohms	1200 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

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

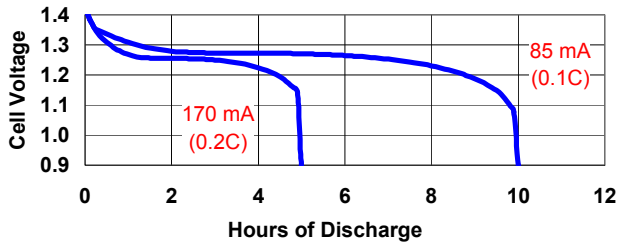
Operating and Storage Temperatures

Ranges of temperature applicable to operation of the NH12 cells are:

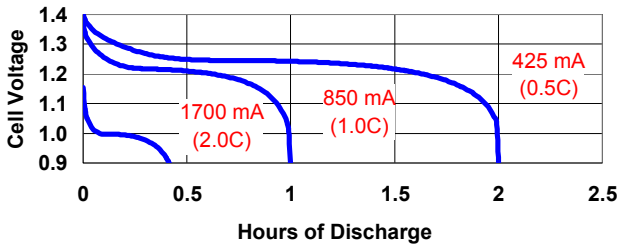
Charge @ 0.1C: 32ºF to 122ºF (0ºC to 50ºC)
Discharge @ 0.1C: – 4ºF to 122ºF (-20ºC to 50ºC)
Storage: – 40ºF to 122ºF (-40ºC to 50ºC)
(6 Months Max.)
– 4ºF to 95ºF (-20ºC to 35ºC)
(2 Years Max.)

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

TYPICAL DISCHARGE CHARACTERISTICS
Average Performance at 21ºC (70ºF)



TYPICAL DISCHARGE CHARACTERISTICS
Average Performance at 21ºC (70ºF)



Important Notice

This data sheet contains information specific to batteries manufactured at the time of its publication.
Contents herein do not constitute a warranty.