

ENGINEERING DATASHEET

EVEREADY BATTERY CO. Internet: www.energizer.com

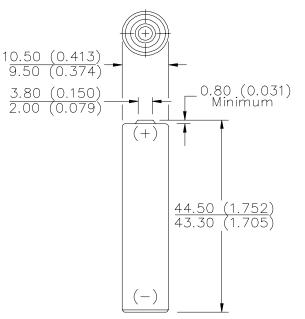
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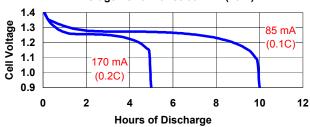
ENERGIZER NO. NH12



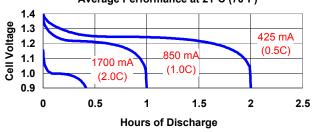
Industry Standard Dimensions in mm (inches)



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



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ΔΔΔ

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

Internal Resistance

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

Cell Charged
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) 35

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

Operating and Storage Temperatures

1000

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

Charge @ 0.1C: $32^{\circ}F$ to $122^{\circ}F$ (0°C to $50^{\circ}C$) Discharge @ 0.1C: $-4^{\circ}F$ to $122^{\circ}F$ ($-20^{\circ}C$ to $50^{\circ}C$)

Storage: - 40°F to 122°F (-40°C to 50°C)

(6 Months Max.)

 $-\,4^{\circ}\text{F}$ to 95°F (-20°C to 35°C)

(2 Years Max.)

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

Important Notice

This data sheet contains information specific to batteries manufactured at the time of its publication.

Contents herein do not constitute a warranty.

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