



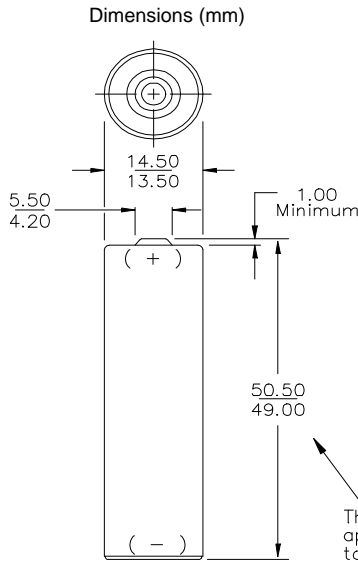
Eveready Battery Company, Inc.

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Engineering Data

AA
Rechargeable 1.2V
Nickel-Cadmium

ENERGIZER NO. CH15



Millimeters	Inches
1.00	0.039
4.20	0.165
5.50	0.217
13.50	0.531
14.50	0.571
49.00	1.929
50.50	1.988

Chemical System: Nickel-Cadmium (NiCd)

Designation: ANSI / NEDA-10015, IEC-KR157/51

Battery Voltage: 1.2 Volts

Average Weight: 22.7 grams (0.8 oz.)

Volume: 8.3 cubic centimeters (0.51 cubic inch)

Terminals: Flat Contact

Rated Capacity: (to 1.0 Volt): 650 mAh

(Based on 130 mA (0.2C) discharge rate)

Maximum Charge Rate: 195 mA

Jacket: Plastic

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>
35 milliohms	45 milliohms
(Tolerance of ±20% applies to above values)	

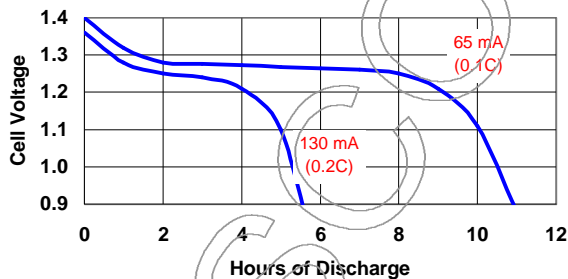
AC Impedance (No Load)

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

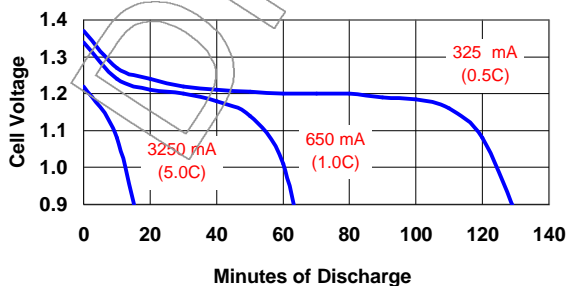
<u>Frequency (Hz)</u>	<u>Impedance (milliohms)</u> (Charged Cell)
50	19
1000	18
10000	20

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

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



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



Operating and Storage Temperatures

Ranges of temperature applicable to operation of the CH15 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 140°F (-40°C to 60°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.