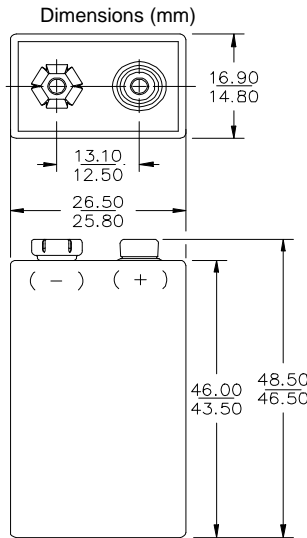


Engineering Data

**Rechargeable 9V
 Nickel-Cadmium**

ENERGIZER NO. CH22



Millimeters	Inches
12.50	0.492
13.10	0.516
14.80	0.583
16.90	0.665
25.80	1.016
26.50	1.043
43.50	1.713
46.00	1.811
46.50	1.831
48.50	1.909

Chemical System: Nickel-Cadmium (NiCd)

Designation: ANSI / NEDA-11604, IEC-6KR61

Battery Voltage: 7.2 Volts

Average Weight: 43 grams (1.5 oz.)

Volume: 21.7 cubic centimeters (1.3 cubic inch)

Rated Capacity: (to 1.0 Volt): 120 mAh

(Based on 24 mA (0.2C) discharge rate)

Maximum Charge Rate: 24mA

Jacket: Plastic Label

Internal resistance

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

Cell Charged	Cell 1/2 Discharged
1000 milliohms	1500 milliohms

(Tolerance of ±20% applies to above values)

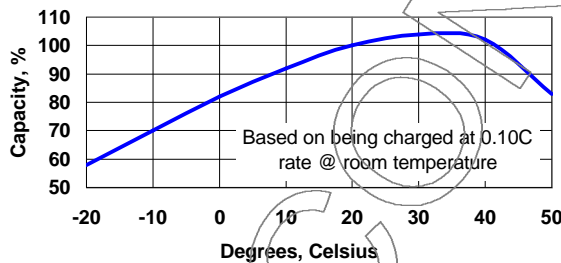
AC Impedance (No Load)

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

Frequency (Hz)	Impedance (milliohms) (Charged Cell)
50	1100
1000	950
10000	800

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

CAPACITY VS. TEMPERATURE



Ranges of temperature applicable to operation of the CH22 cells are:

Charge @ 0.1C: 32°F to 122°F (0°C to 50°C)

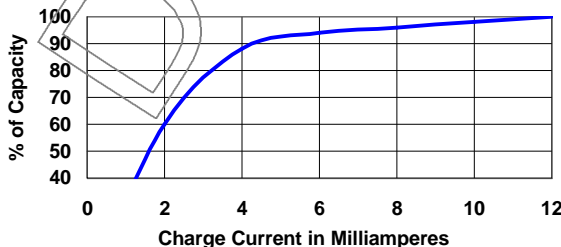
Discharge @ 0.1C: -4°F to 122°F (-20°C to 50°C)

Storage: -40°F to 140°F (-40°C to 60°C) (6 Months Max.)

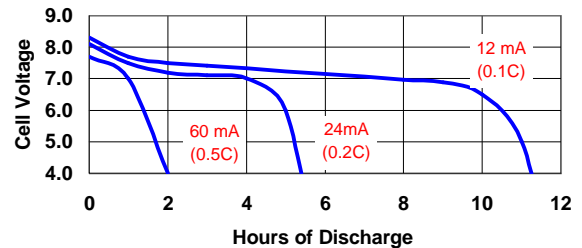
-4°F to 95°F (-20°C to 35°C) (2 Years Max.)

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

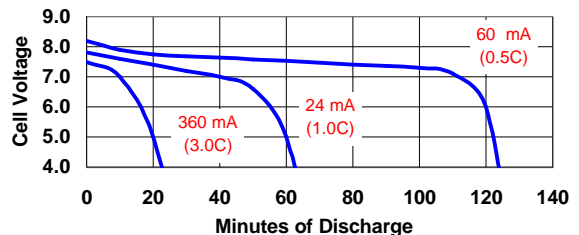
CHARGE ACCEPTANCE VS. CHARGE RATE (@ Room Temperature)



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



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



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.