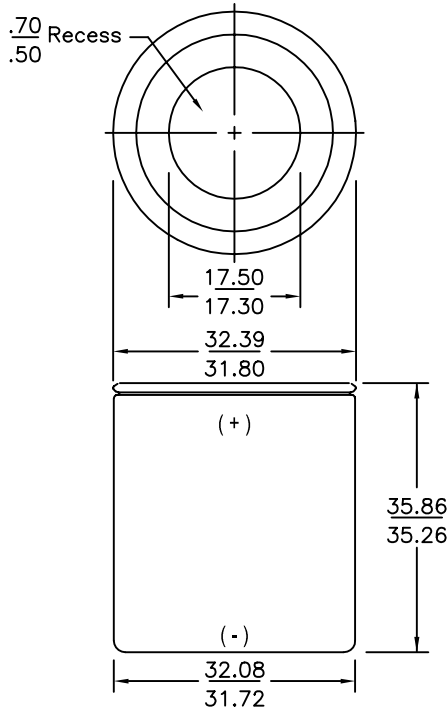


Engineering Data

1/2D

Rechargeable 1.2V
Nickel-Cadmium
Standard Charge

MOLTECH NO. E-2300D



Reflects Bare Cell Dimensions

Chemical System: Nickel-Cadmium (Ni-Cd)

Designations: Not Yet Assigned

Battery Voltage: 1.2 Volts

Typical Weight: 77 grams (2.71 oz.)

Volume: 28.5 cubic centimeters (1.74 cubic inch)

Terminals: Flat Contact

Rated Capacity (to 1.0 Volt): 2,300 mAh

(Based on 440 mA (0.2C) discharge rate)

Sleeved Cell Dimensions:

Height = 35.87 millimeters (1.412 inch)

Diameter = 32.40 millimeters (1.276 inch)

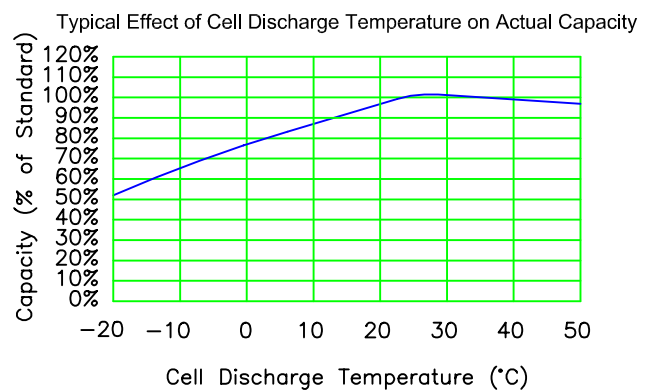
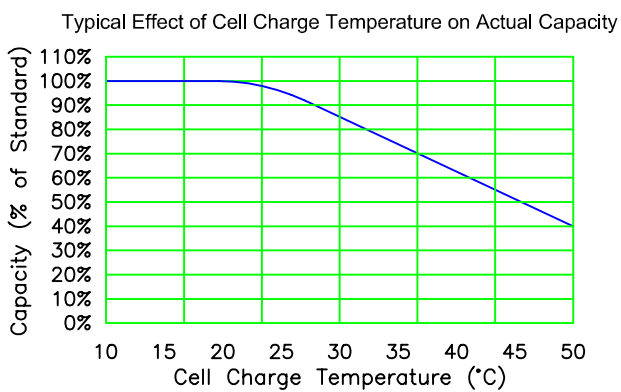
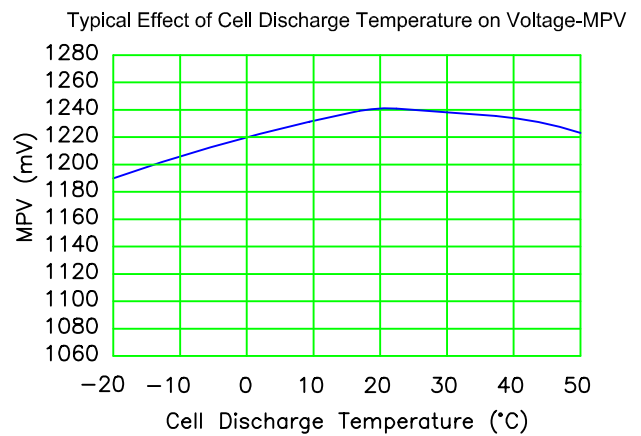
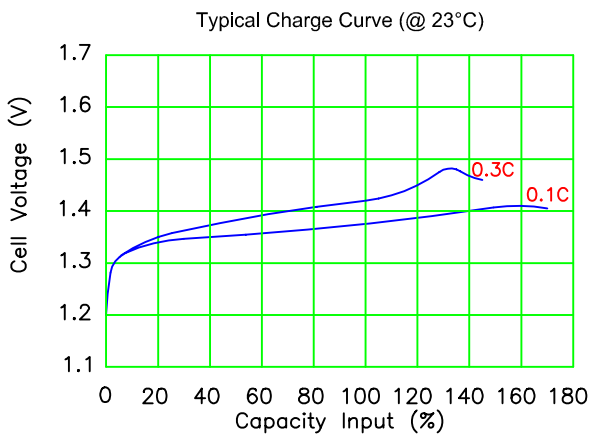
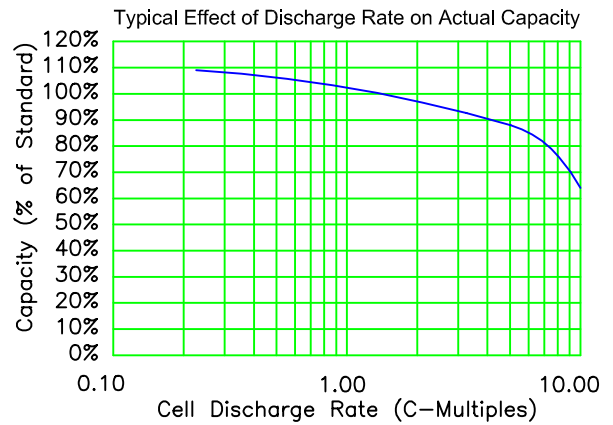
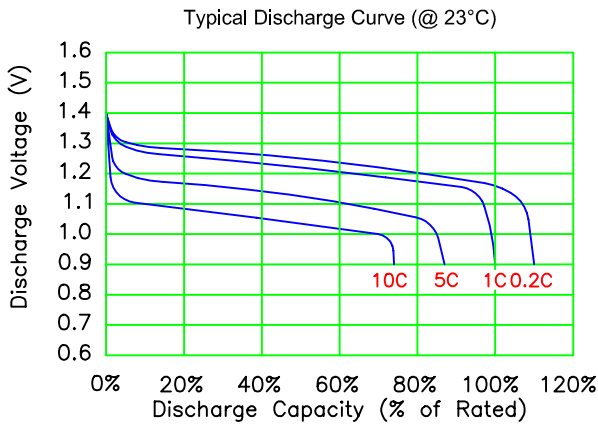
Dimensions (mm)

Millimeters	Inches
.50	.020
.70	.028
17.30	.681
17.50	.689
31.72	1.249
31.80	1.252
32.08	1.263
32.39	1.275
35.26	1.388
35.86	1.412

Capacity	Minimum @ 5 hour rate	2300 mAh			
	Minimum @ 1 hour rate	2200 mAh			
Effective Internal Resistance	Maximum	22 milliohms			
	Typical	18 milliohms			
Maximum Discharge Current	Continuous	58A			
	Momentary (1 second)	116A			
Charging		Standard		Quick ¹	
	Minimum Charge Rate (mA)	110		110	
	Time Required (hr)	36 - 48		36 - 48	
	Maximum Charge Rate (mA)	220		900	
	Time Required (hr)	16 - 20		4 - 5	
	Minimum Overcharge (mA)	44		44	
Temperature	Maximum Overcharge (mA)	220		220	
	Storage (°C)	Min. -40	Max. +50	Min. -40	Max. +50
	Discharge (°C)	-20	+50	-20	+50
	Charge (°C)	0	+50	+10	+50

Note: ¹ Quick charge requires charge control to terminate quick charge or switch to an acceptable overcharge rate when cell reaches full charge.

MOLTECH NO. E-2300D



IMPORTANT NOTICE

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