

LIVEN Ni-Cd Series

The range of high temperature NiCd batteries are designed to withstand highly efficient charges permanently at high temperatures, making them ideal for a wide range of security applications.

Their life expectancy in use is very high and they have a high self life, accept a permanent charge for a minimum of 4 years in high temperature environments (up +55°C).

Application:

- Emergency lightning
- Security devices

Dimensions:

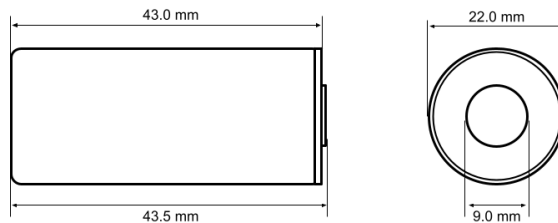
Height	43.0±1.0mm (1.69in)
Total Height	43.5±1.0mm (1.71in)
Diameter	22.0±1.0mm (0.87in)
Positive terminal Diameter	9.0±1.0mm (0.35in)



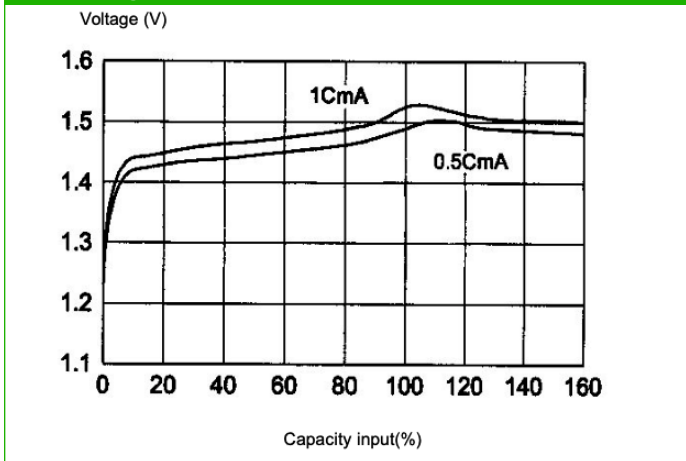
Specification:

Voltage Per Unit	1.2V
Nominal Capacity	1500mAh 0.2C disch. to 1.0V per cell @20°C
Weight	Approx. 44g ±2% (0.097lbs)
Internal Resistance	Approx. 25mΩ (at 1 kHz, fully charged, 20°C)
Service Life	>500 cycles (20°C, IEC61951-1 Standard)
Design Life	≥4 years (IEC61951-1)
Standard Charge	150mA (0.1C for 16hrs at 0~45°C)
Fast Charge	450mA (0.3C for 4.5hrs) -ΔV=30~60mV, ambient temperature +10~35°C Timer =120% nominal input TCO: 45~50°C -dT/dt=0.8~1.0°C/min
Cut-off Voltage	1.0V/pack (Discharge current ≤1.0C)
Continuous Overcharge	0.1C (less than 100hrs)
Permanent Charge	0.02C to 0.05C
Max. Discharge Current	1500mA (1C -20 ~70°C)
Operating Temperature Range	Discharge: -20°C~70°C Std. Charge: 0°C~50°C Fast Charge: 10°C~35°C Storage: -20°C~35°C

Technical Drawing:



Fast Charge Curve



High Rate Discharge

