

6.0V ELB0608N Battery Replacement

Rechargeable Sealed Nickel Cadmium Battery Pack

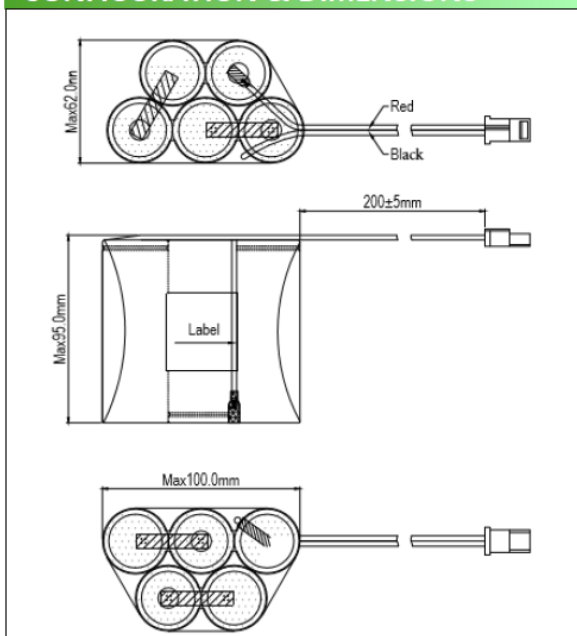
This specification governs the performance of the following Nickel-Cadmium Cylindrical cell and its stack-up battery. All data involves voltage and weight to stack-up battery are equal to the value of unit cell times the number of unit cell which consisted in the stack-up batteries.

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RATINGS

Description	Unit	Specification		Conditions
Nominal Voltage	V/Cell	1.2V		Unit cell
Nominal Voltage	mAh	7000		Standard Charge/Discharge
Standard Charge	mA	700 (0.1C)		Ambient Temperature: Ta = 20 ± 5°C
	Hour	16		
Trickle Charge		0.03C ~ 0.05C		Ta = 0 ~ 45°C
Standard Discharge	mA	1400(0.2C)		Ambient Temperature: Ta = 20 ± 5°C Humidity: Max. 85%
Discharge Cut-off Voltage	V/Cell	1.0		
Operating Temperature Range	°C	0 ~ 45°C		Humidity: Max. 85%
Storage Temperature	°C	-20 ~ 35°C	1 Year	Fully charged state, Humidity Max.60%
		0 ~ 60°C	1 Week	Fully charged state, Humidity Max.80%
Typical Weight	g	Approx. 170.0		

CONFIGURATION & DIMENSIONS



EXTERNAL

APPEARA

The cell/battery shall be free from cracks, scars, breakage, rust, discoloration, leakage nor deformation.

CAUTION

- 1) Reverse charging is not acceptable.
- 2) Charge before use. The cells/batteries are delivered in an uncharged state.
- 3) Do not charge/discharge with more than our specified current.
- 4) Do not short circuit the cell/battery. Permanent damage to the cell/battery may result.
- 5) Do not incinerate or mutilate the cell/battery.
- 6) Do not solder directly to the cell/battery.
- 7) The life expectancy may be reduced if the cell/battery is subjected adverse conditions like: extreme temperature, deep cycling, excessive overcharge/ over-discharge.
- 8) Store the cell/battery uncharged in a cool dry place. Always discharge batteries before bulk storage or shipment.

Notes:

Ambient Temperature.

- Approximate charge time from discharged state is for reference only.
- We recommend cells or batteries are charged and discharged at least once every 6 months.
- IEC61951-1(2003)7.4.1.1 Cycle Life:

Cycle No.	Charge	Rest	Discharge
1	0.1C×16h	None	0.25C×2h20min
2-48	0.25C×3h10min	None	0.25C×2h20min
49	0.25C×3h10min	None	0.25C to 1.0V/ cell
50	0.1C×16h	1-4h	0.2C to 1.0V/ cell
Cycles 1 to 50 shall be repeated until the discharge duration on any 50 th Cycle becomes less than 3 h			