



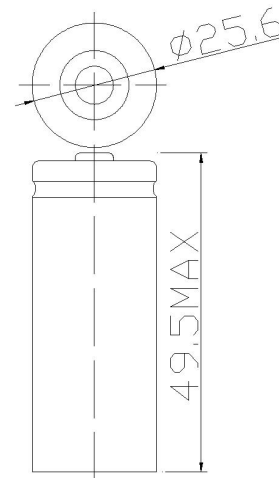
Features of Ni-Zn Battery

- **Longer Cycle Life:** A life of up to 800 cycles, two times cycle life of NiMH battery, so it can be an alternative to NiMH batteries for Electric products. Due to their increased power rate and energy Density features, users can expect a long time between charges and longer running time.
- **Higher Power:** High discharge rate up to 50C.
- **Wider Temperature Range:** -40°C~75 °C:
- **Superior Safety:** Same as NiMH battery, there with no fire, no explosion, no memory effect, and meantime more environmentally friendly than NiMH.
- **Increased Flexibility:** Modular design enables deployment with several batteries both in series and in parallel.

SGS

- MSDS
- UN38.3

Physical Dimension

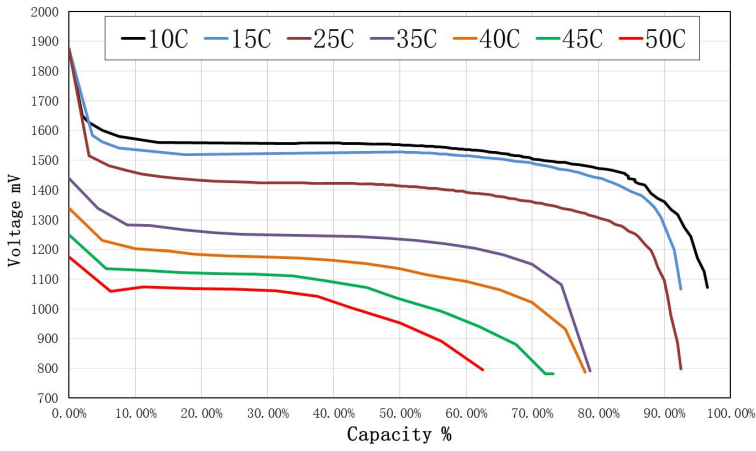


Specification

Electrical Characteristics	Nominal Voltage	1.65V
	Nominal Capacity	2600mAh
	Energy	9.62Wh
	Internal Resistance	$\leq 60\text{m}\Omega$
	Cycle Life	>500 cycles @0.2C 70%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1.0C
Standard Charge	Charge Voltage	1.9V
	Charge Mode	0.2C to 1.9V, then 1.9V, charge current to 0.02C ₅ A (CC/CV)
	Charger Current	520mA
	Max. Charge Current	3.0C ₅ A
	Charge Cut-off Voltage	1.9 \pm 0.03V
Standard Discharge	Continuous Current	520mA
	Max. Discharge Current	30C ₅ A
	Discharge Cut-off Voltage	1.2V
Environmental	Charge Temperature	0°C to 45°C @60 \pm 25% Relative Humidity
	Discharge Temperature	-40°C to 75°C @60 \pm 25% Relative Humidity
	Storage Temperature	0°C to 40°C @60 \pm 25% Relative Humidity
	Water Dust Resistance	/
Mechanical	Dimensions (mm.)	25.6*49.5mm MAX
	Weight (g.)	Approx:45g

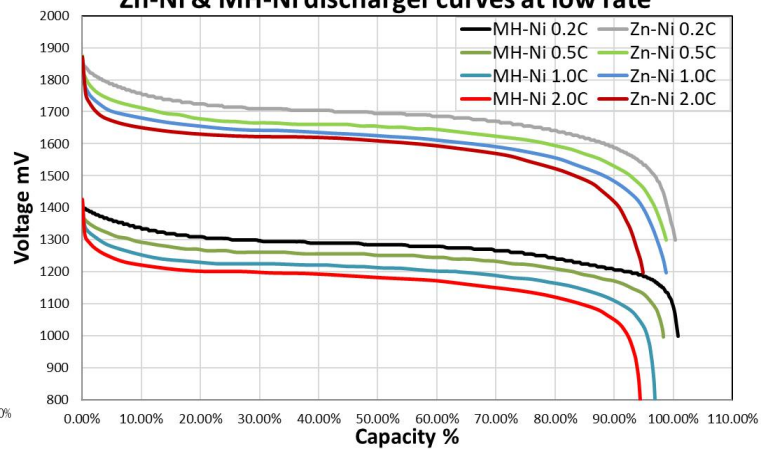
Different Rate Discharge Curve

Zn-Ni discharge curves at high rate



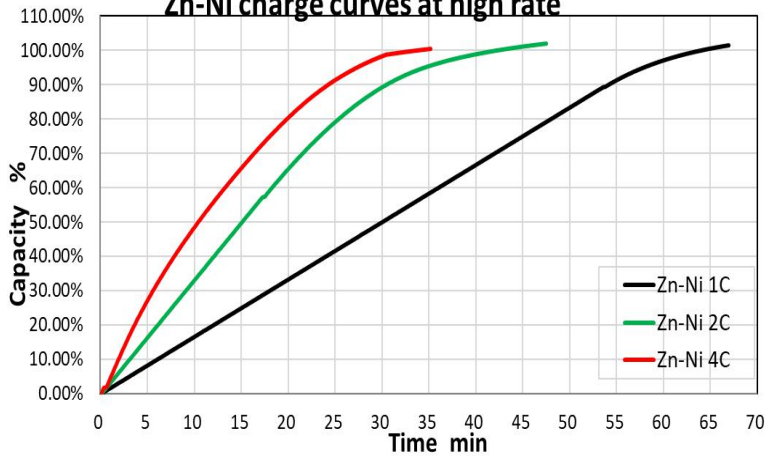
NiZn & NiMH Discharge Curve

Zn-Ni & MH-Ni discharger curves at low rate



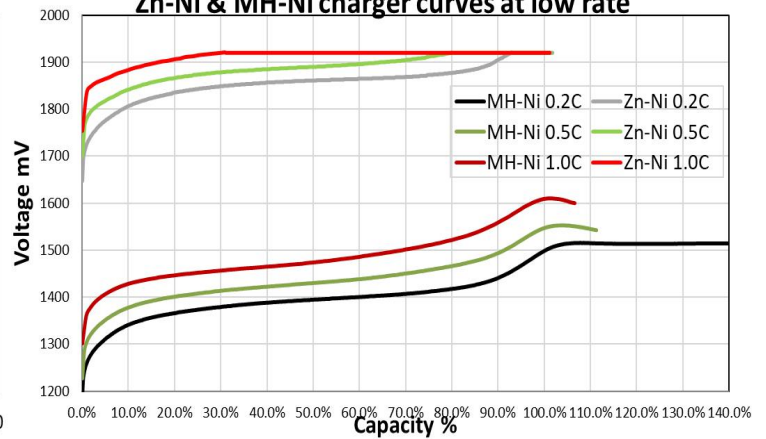
Different Rate Charge Curve

Zn-Ni charge curves at high rate



NiZn & NiMH Charge Curve

Zn-Ni & MH-Ni charger curves at low rate



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