

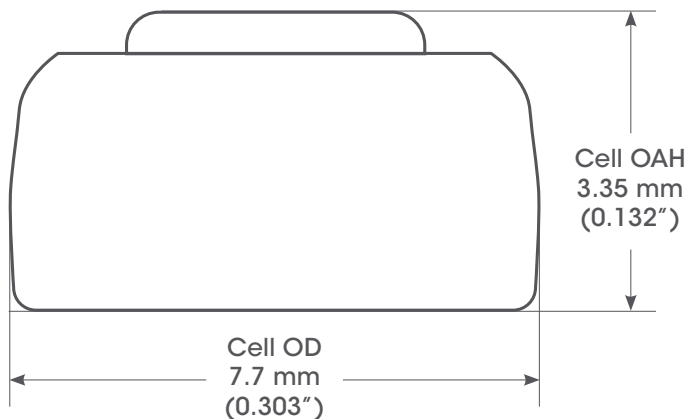


ZPower Size 312 Rechargeable Battery (XR41)

ZPower is dedicated to building a better battery technology. Our R&D has led to the creation of the ZPower Battery, a silver-zinc battery that can match and exceed the performance, safety and environmental benefits of any other rechargeable miniature battery.

Performance Parameters		Min	Nominal	Max	Units
Dimensions	Overall Height	3.25	3.35	3.60	mm
	Overall Diameter	7.55	7.7	7.9	mm
	Weight	575	625	675	mg
Capacity (full discharges)		-	32	-	mAh
Energy (full discharges)		-	52	-	mWh
Energy Density		-	338	-	Wh/L
Open Circuit Voltage (full charge)		-	1.86	-	V
Open Circuit Voltage (discharged)		-	1.57	-	V
Discharge End Point Voltage		-	1.3	-	V
Charge Current		-	5.0	5.1	mA
Charge Voltage		-	2.00	2.01	V
Operating Temperature		0	-	50	°C
Storage Temperature		-40	-	50	°C
Self-Discharge Rate		-	-	3.0	%/month

Note: All Performance Parameters are based on 25°C ambient temperature.



Small on Size. Big on Power.

ZPower's silver-zinc rechargeable battery technology delivers over 40% more energy storage than other rechargeable miniature batteries.

Long Lasting

ZPower has developed a proprietary silver-zinc microbattery technology that can be recharged hundreds of times without losing significant energy.

Eco-Friendly and Safe

ZPower's batteries are one of the most environmentally responsible batteries available. They are water based, nonflammable and fully recyclable.

ZPower batteries have been tested by TUV Rheinland, passing all relevant UL2054 and IEC 62133 safety requirements.

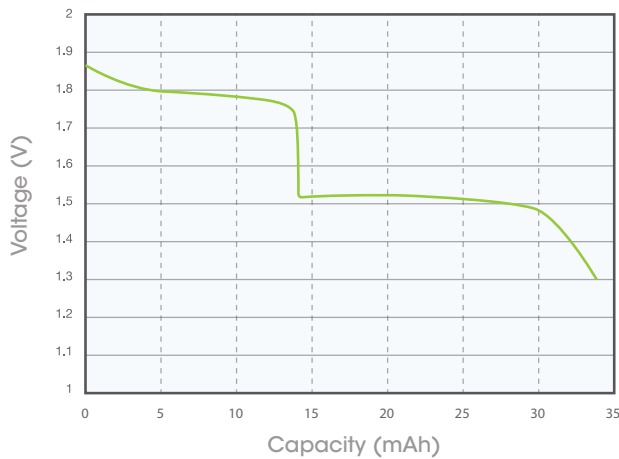
American-Made Power and Quality

Every ZPower battery is made by American workers at our manufacturing plant in Camarillo, California.

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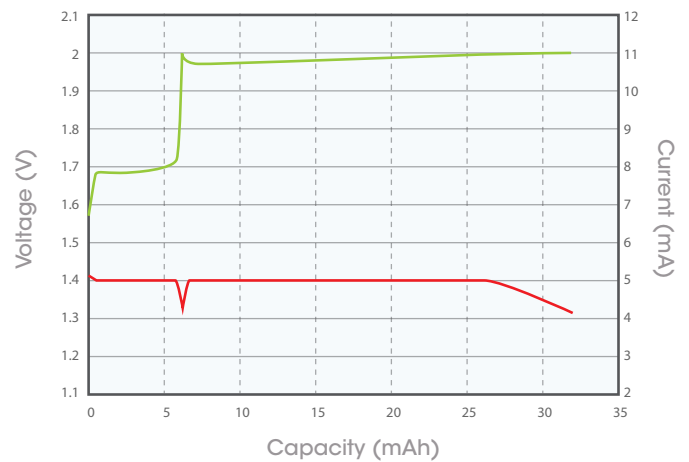
Discharge Curve (Typical)

2mA constant current drain at 25°C



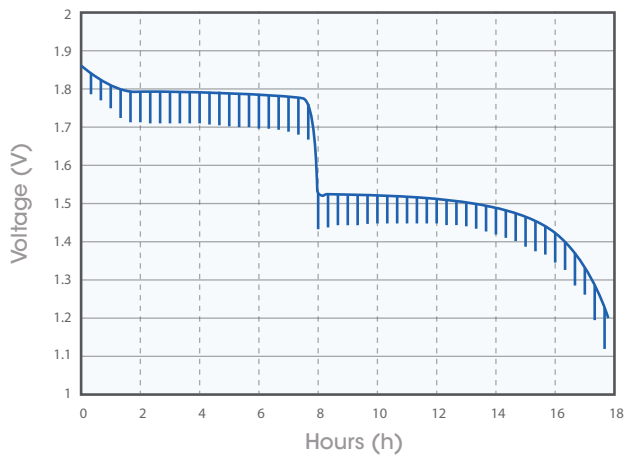
Charge Curve (Typical)

2.0V constant voltage, 5.0mA constant current at 25°C



IEC 60086-2 7.4.2 Hearing Aid High Drain Test

2 mA drain rate, 10mA 100ms pulse load at 25°C



Temperature Curves (Typical)

1.5mA constant drain at different temperatures

