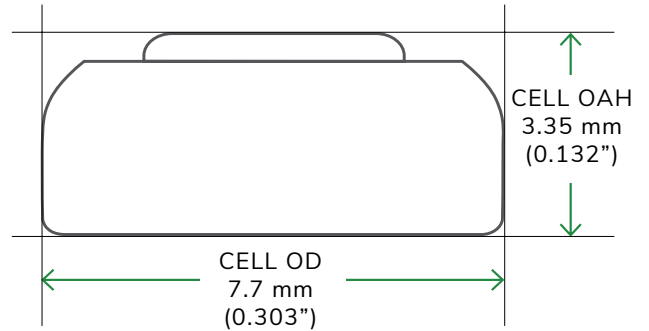


**Riot Energy XR7734**

# Rechargeable Battery

Common Designations: Size 312, XR41



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
Life Cycle		>80% capacity after 300 cycles			

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

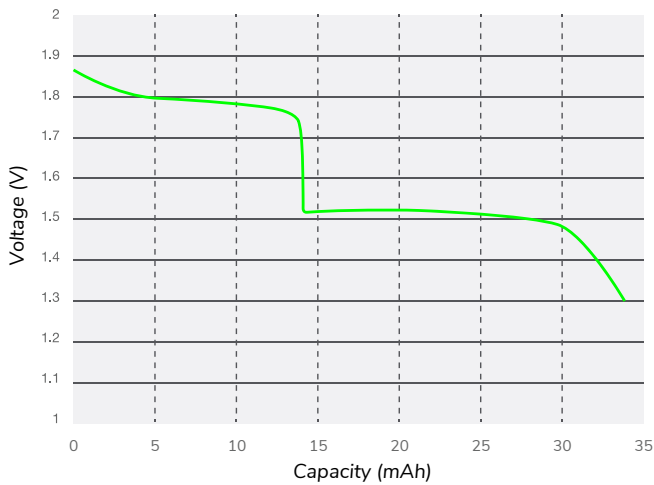
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**Riot Energy XR7734**

# Rechargeable Battery

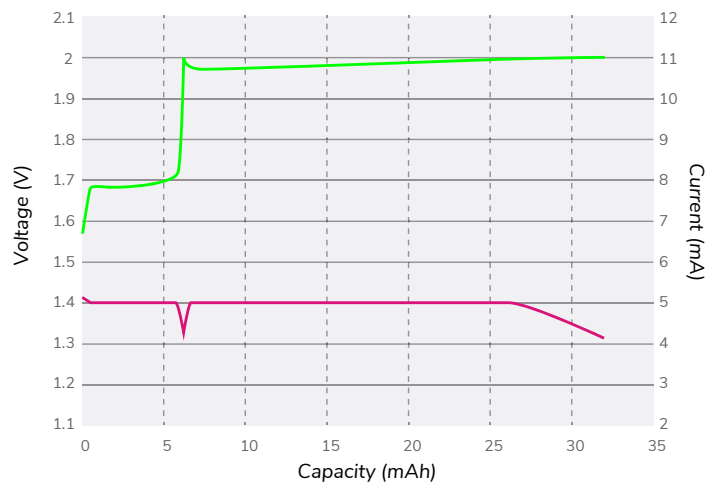
**DISCHARGE CURVE (TYPICAL)**

2mA constant current drain at 25°C



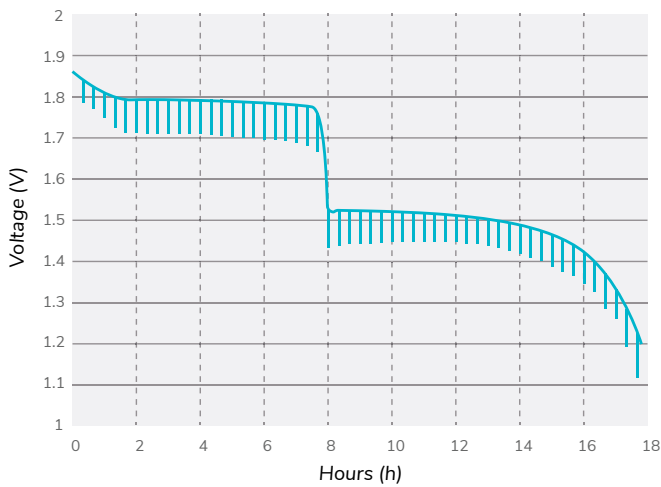
**CHARGE CURVE (TYPICAL)**

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



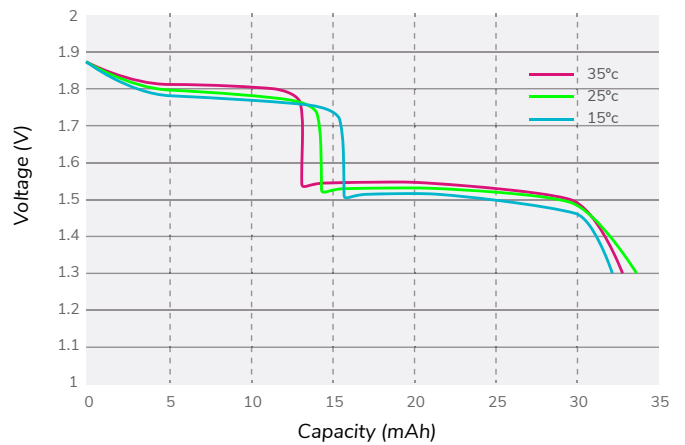
**IEC 60086-2 7.4.2 HEARING AID HIGH DRAIN TEST**

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



**TEMPERATURE CURVES (TYPICAL)**

1.5mA constant drain rate at different temperatures



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