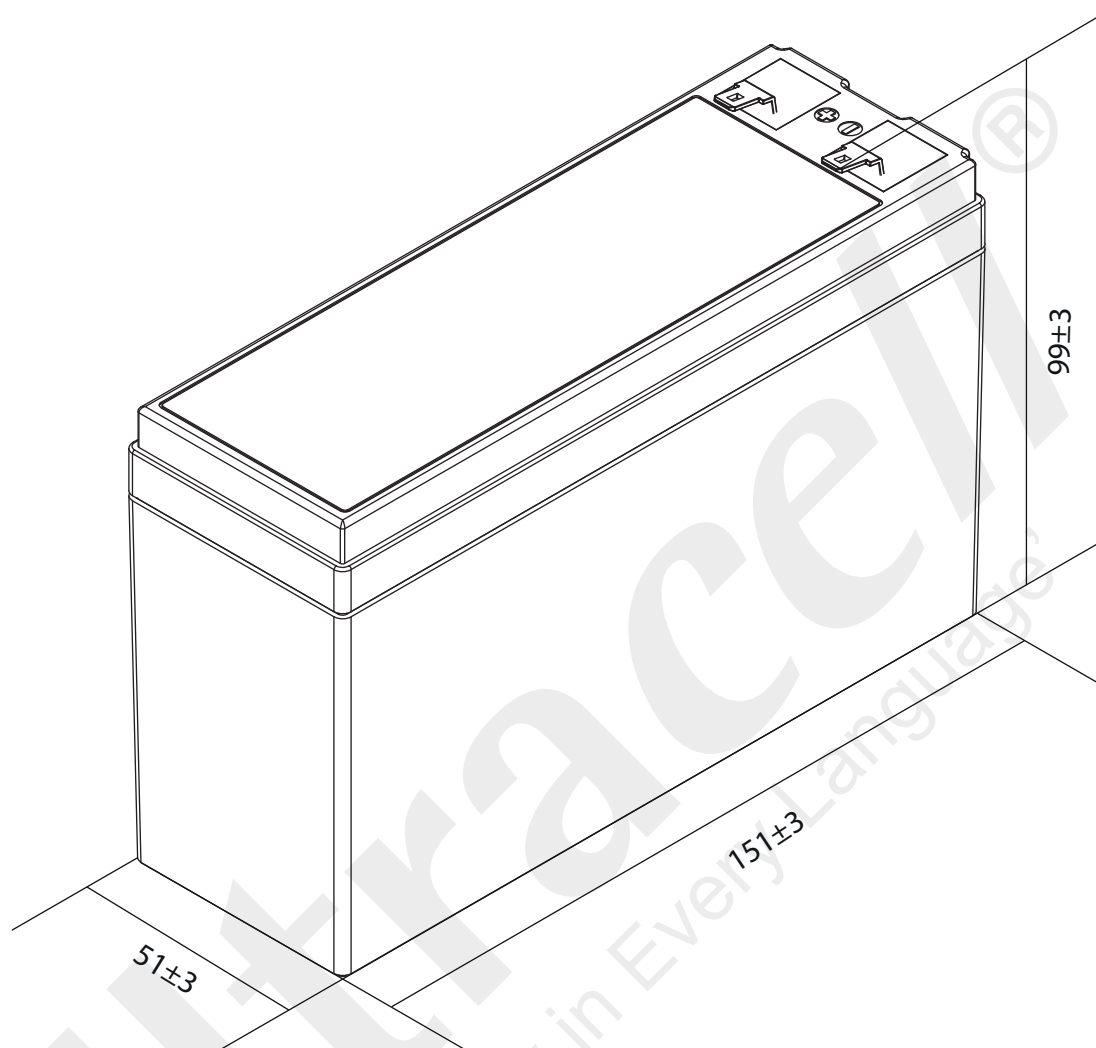
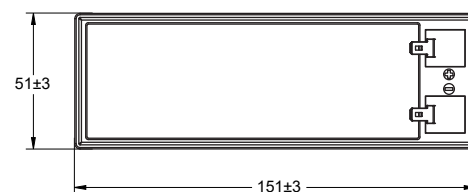
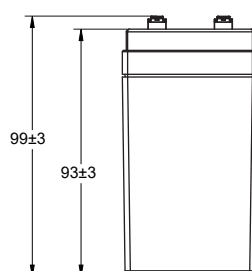




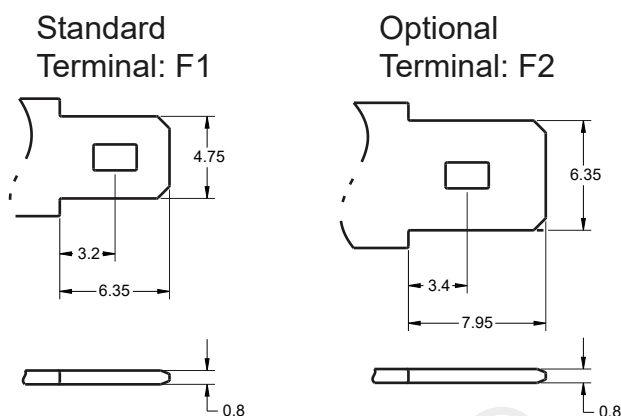
Technical Dimensions (mm)



Image



Terminal Dimensions (mm)



Technical Specification

Output	Nominal Voltage	12V
	Watts @ 15min, 1.67V/Cell	22.3W
Terminal Type	Standard Terminal	F1
	Optional Terminal	F2
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:V0)
Rated Capacity	(20HR 1.75V/cell, 25°C)	6.5 Ah / 0.325A
Short Circuit Current	182A (5s)	
Internal Resistance	Approx 25mΩ	
Discharge Characteristics	Operating Temp Range	Discharge: -15 ~ 50°C Charge: -20 ~ 40°C Storage: -15 ~ 40°C
	Nominal Operating Temp Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 1.95A. Voltage 14.1V ~ 14.7V @ 25°C Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 1.95A. Voltage 13.5V ~ 13.8V @ 25°C Temp. Coefficient -18mV/°C
	Capacity affected by Temperature	40°C 103% 25°C 100% 0°C 86%
Design Floating Life at 25°C		5 Years

Self Discharge

Ultracell® UHR batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time intervals will be shorter.

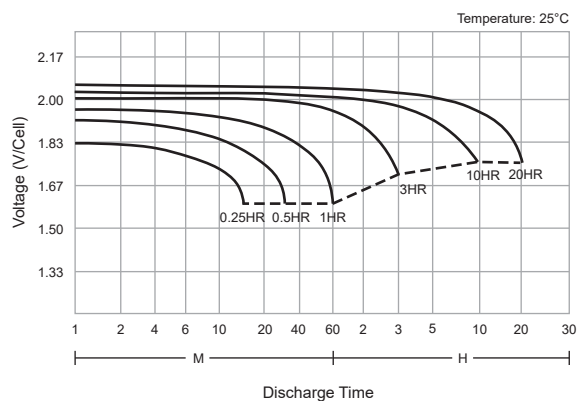
Constant Current Discharge / Constant Power Discharge At 25°C (Amperes & Watts/Cell)

A = Amperes W = Watts

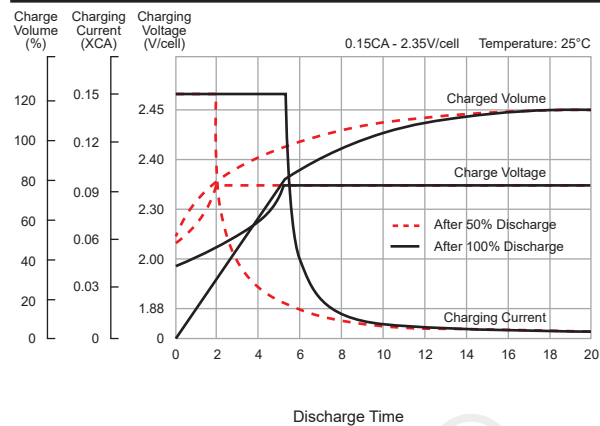
F.V/TIME	5	10	15	20	30	45	60	90	2	3	4	5	6	8	10	20
A W	min	min	min	min	min	min	min	min	hours	hours	hours	hours	hours	hours	hours	hours
1.85V/cell	19.4	13.3	10.4	8.50	6.26	4.59	3.77	2.77	2.18	1.58	1.26	1.08	0.927	0.732	0.601	0.318
	36.8	25.4	19.9	16.4	12.1	8.90	7.33	5.41	4.28	3.11	2.49	2.13	1.83	1.45	1.19	0.636
1.80V/cell	20.9	14.1	10.9	8.84	6.45	4.71	3.86	2.83	2.22	1.61	1.28	1.09	0.941	0.743	0.609	0.321
	39.2	26.7	20.7	16.9	12.4	9.11	7.49	5.51	4.34	3.15	2.52	2.16	1.86	1.47	1.21	0.643
1.75V/cell	22.0	14.7	11.2	9.09	6.62	4.81	3.94	2.88	2.26	1.63	1.30	1.11	0.952	0.751	0.615	0.325
	40.8	27.6	21.3	17.3	12.7	9.27	7.61	5.59	4.41	3.19	2.55	2.18	1.88	1.49	1.22	0.650
1.70V/cell	23.1	15.3	11.6	9.35	6.79	4.92	4.01	2.93	2.30	1.66	1.32	1.12	0.964	0.759	0.621	0.328
	42.3	28.5	21.8	17.7	12.9	9.44	7.73	5.67	4.47	3.24	2.58	2.21	1.90	1.50	1.23	0.655
1.67V/cell	23.9	15.7	11.9	9.54	6.91	5.00	4.08	2.97	2.32	1.67	1.33	1.13	0.972	0.765	0.625	0.330
	43.4	29.1	22.3	18.0	13.1	9.57	7.83	5.73	4.51	3.26	2.60	2.23	1.91	1.51	1.24	0.660
1.60V/cell	25.3	16.4	12.3	9.83	7.09	5.13	4.17	3.03	2.37	1.70	1.35	1.15	0.986	0.776	0.633	0.334
	45.2	30.0	22.9	18.5	13.4	9.75	7.97	5.83	4.58	3.31	2.64	2.26	1.94	1.53	1.25	0.668



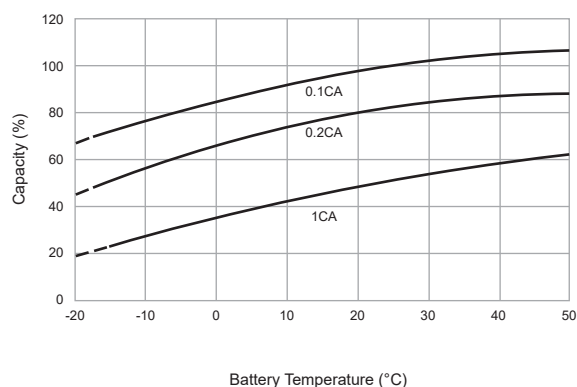
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

