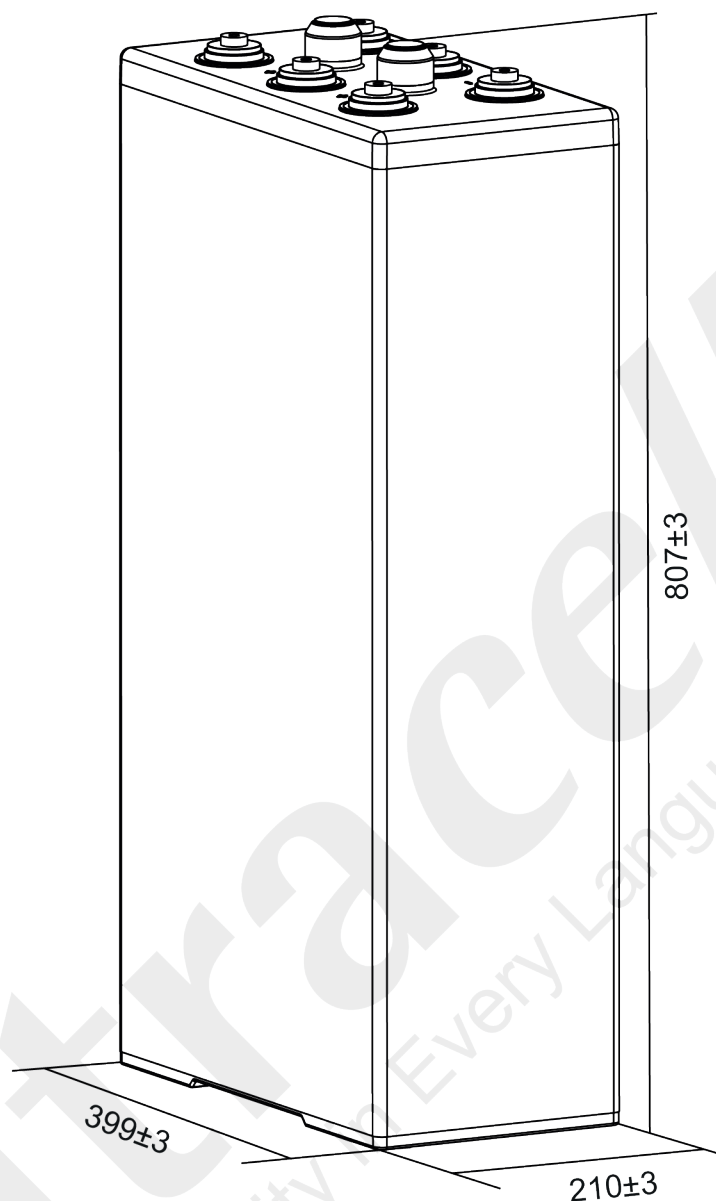
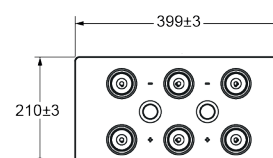
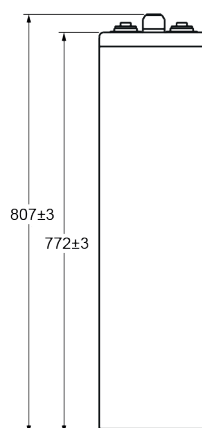
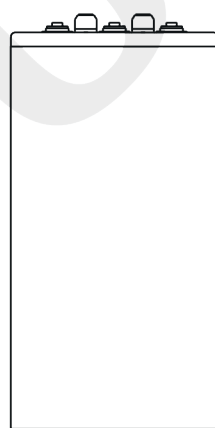




Technical Dimensions (mm)

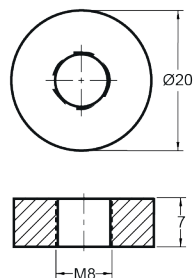


Image



Terminal Dimensions (mm)

Standard Terminal: F11



Technical Specification

Output	Nominal Voltage Nominal Capacity (10HR)	2V 2000Ah
Terminal Type	Standard Terminal	F11
Container Material	Standard Option Flame Retardant Option (FR)	ABS ABS (UL94:VO)
Rated Capacity	(120HR 1.85V/cell, 25°C) (10HR 1.80V/cell, 25°C) (1HR 1.65V/cell, 25°C)	2450.0 Ah/20.4A 2000.0 Ah/200A 1140.0 Ah/1122A
Max Discharge Current	8000A (5s)	
Internal Resistance	Approx 0.23mΩ	
Discharge Characteristics	Operating Temp Range	Discharge: -15 ~ 50°C Charge: -10 ~ 50°C Storage: -20 ~ 50°C
	Nominal Operating Temp Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 400A. Voltage 2.35V ~ 2.40V @ 25°C Temp. Coefficient -4mV/°C
	Standby Use	No limit on initial charging current. Voltage 2.25V ~ 2.27V @ 25°C Temp. Coefficient -3mV/°C
	Capacity affected by Temperature	40°C 103% 25°C 100% 0°C 88%
Design Floating Life at 20°C	20 Years	

Self Discharge

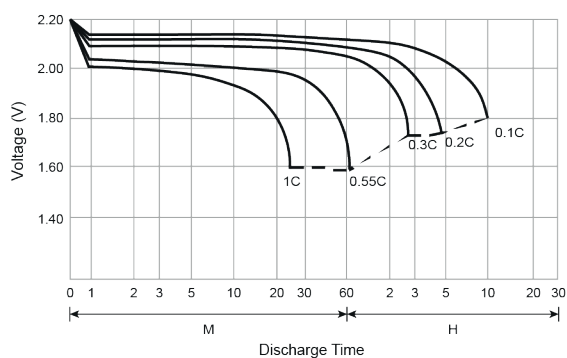
Ultracell® UZV batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time intervals will be shorter.

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

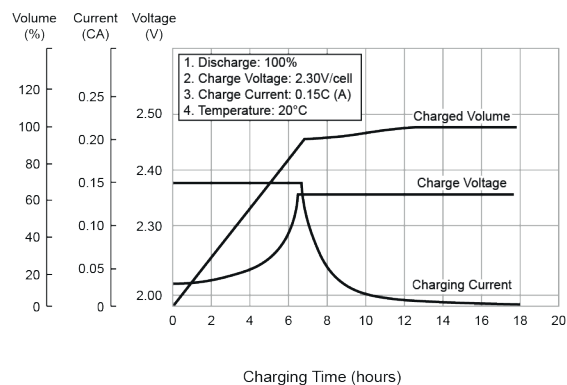
A = Amperes W = Watts

F.V/TIME	30	60	2	3	4	5	6	8	10	20	24	48	72	100	120
A W	min	min	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours
1.85V/cell	1442	988	620	478	388	330	284	222	190	101	87.0	47.4	32.4	24.2	20.4
	2696	1878	1198	938	758	650	558	440	378	201	175	95.8	66.0	48.8	41.6
1.80V/cell	1518	1040	652	504	408	348	298	234	200	106	91.6	48.4	33.0	---	---
	2838	1976	1260	988	798	684	588	464	398	212	184	97.8	67.4	---	---
1.75V/cell	1576	1072	670	520	420	358	308	242	202	107	92.0	48.8	33.2	---	---
	2946	2038	1292	1020	824	706	606	480	400	214	185	98.4	67.8	---	---
1.70V/cell	1616	1094	680	524	422	360	310	244	202	107	92.2	49	---	---	---
	3020	2080	1312	1026	828	710	612	482	404	214	185	99.0	---	---	---
1.65V/cell	1666	1122	686	528	426	364	312	246	204	108	92.6	---	---	---	---
	3116	2134	1324	1034	834	716	616	486	404	216	187	---	---	---	---

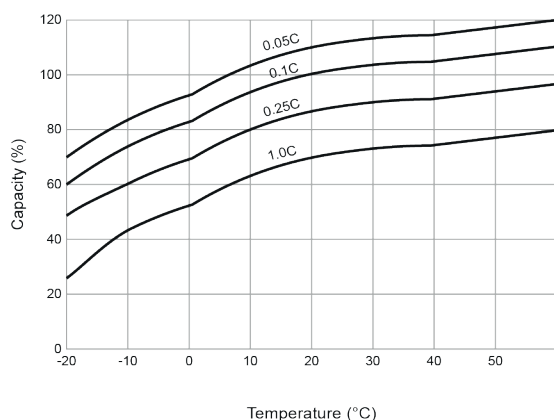
Discharge Characteristics



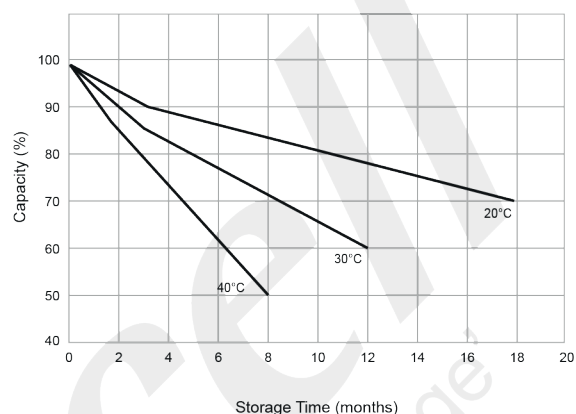
Charging Characteristics



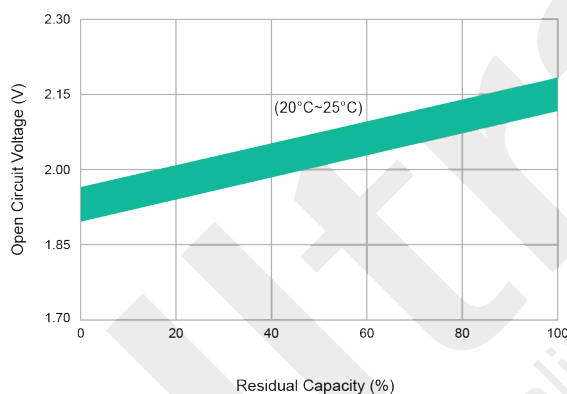
Temperature Effects in Relation to Battery Capacity



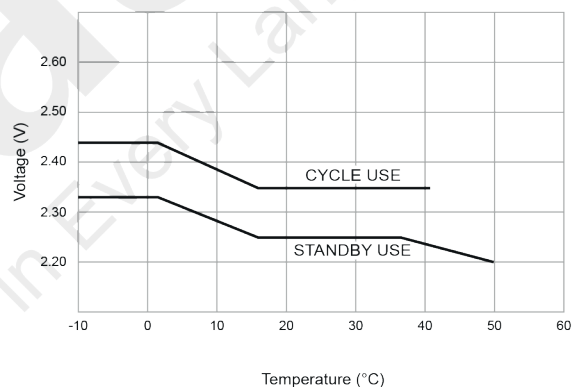
Self Discharge Characteristics



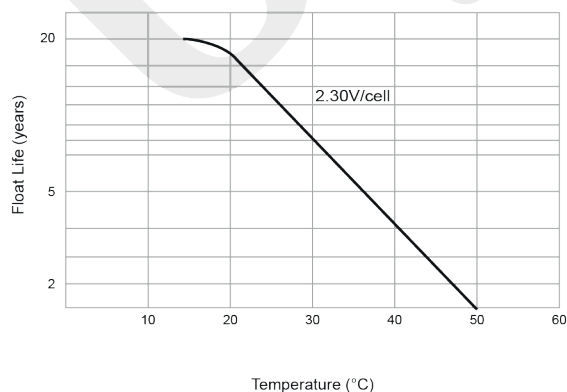
Open Circuit Voltage and Residual Capacity (25°C)



Charge Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D (25°C)

