

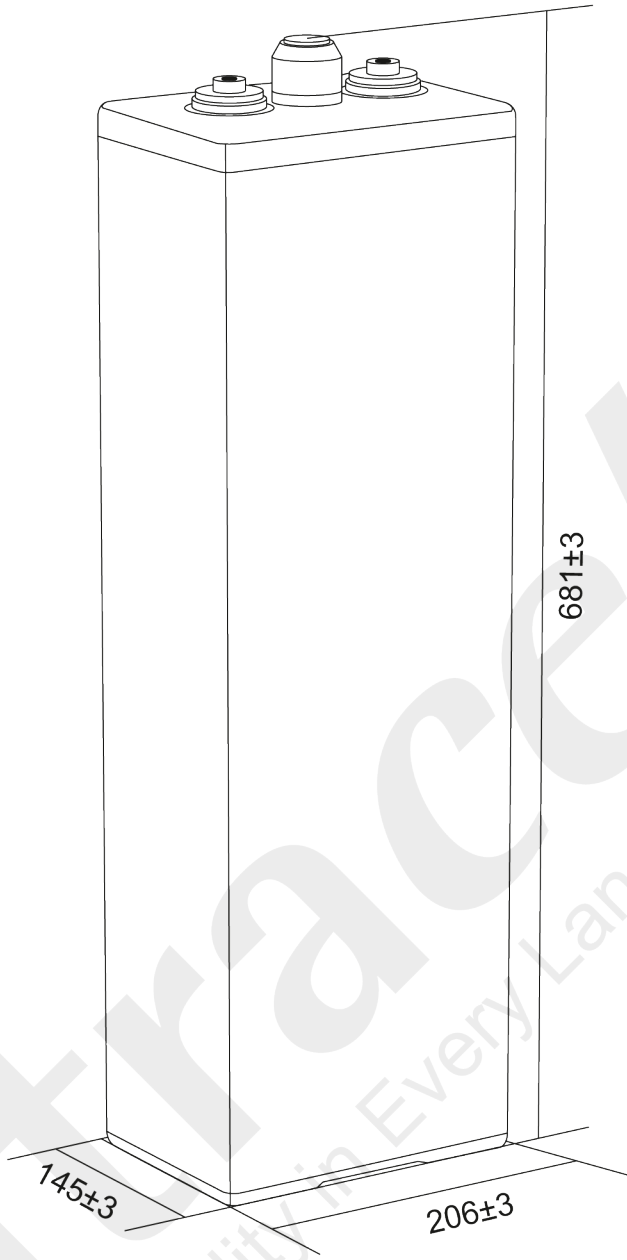
Ultracell®

'Quality in Every Language'

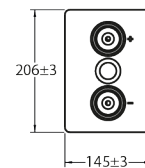
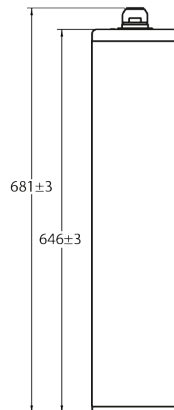
UZV600-2

2V 600Ah

Tubular Gel Series



Technical Dimensions (mm)



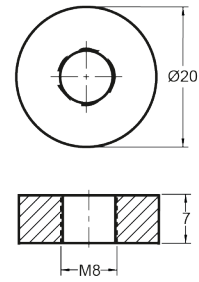


Image



Terminal Dimensions (mm)

Standard Terminal: F11



Technical Specification

Output	Nominal Voltage	2V
	Nominal Capacity (10HR)	600Ah
Terminal Type	Standard Terminal	F11
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(120HR 1.85V/cell, 25°C)	735.0 Ah/6.12A
	(10HR 1.80V/cell, 25°C)	600.0 Ah/60.0A
	(1HR 1.65V/cell, 25°C)	336 Ah.0/337.0A
Max Discharge Current	3000A (5s)	
Internal Resistance	Approx. 0.60mΩ	
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 120A. 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.

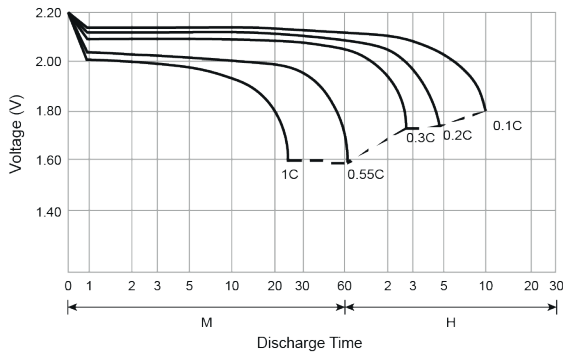
Constant Current Discharge / Constant Power Discharge At 25°C (Amperes & Watts/Cell)

A = Amperes W = Watts

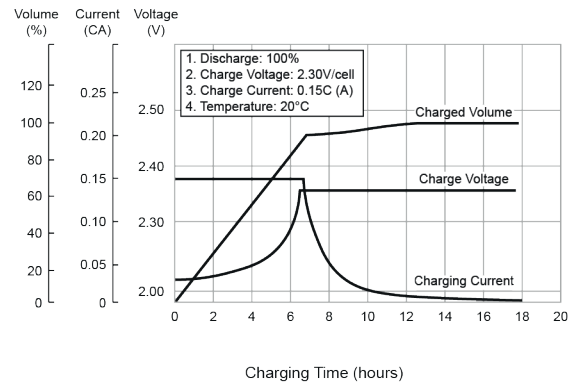
F.V/TIME	30	60	2	3	4	5	6	8	10	20	24	48	72	100	120
A \ W	min	min	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours
1.85V/cell	433	296	186	143	116	99.0	85.2	66.6	57.0	30.2	26.1	14.2	9.72	7.26	6.12
	809	563	359	281	227	195	167	132	113	60.4	52.5	28.7	19.8	14.6	12.5
1.80V/cell	455	312	196	151	122	104	89.4	70.2	60.0	31.8	27.5	14.5	9.90	---	---
	851	593	378	296	239	205	176	139	119	63.6	55.3	29.3	20.2	---	---
1.75V/cell	473	322	201	156	126	107	92.4	72.6	60.6	32.0	27.6	14.6	10.0	---	---
	884	611	388	306	247	212	182	144	120	64.2	55.4	29.5	20.3	---	---
1.70V/cell	485	328	204	157	127	108	93.0	73.2	60.6	32.2	27.7	14.7	---	---	---
	906	624	394	308	248	213	184	145	121	64.2	55.6	29.7	---	---	---
1.65V/cell	500	337	206	158	128	109	93.6	73.8	61.2	32.3	27.8	---	---	---	---
	935	640	397	310	250	215	185	146	121	64.8	56.0	---	---	---	---



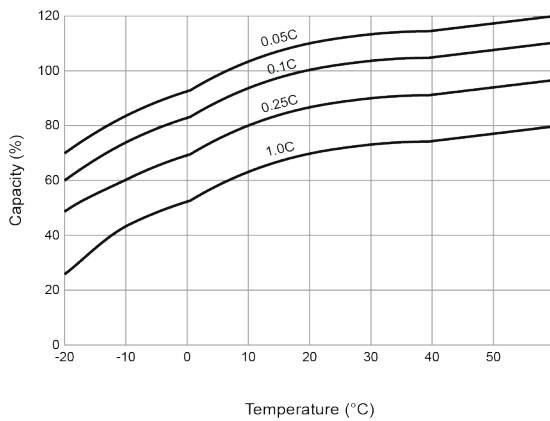
Discharge Characteristics



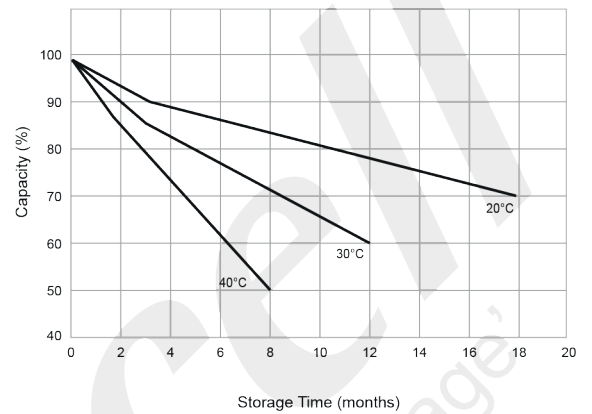
Charging Characteristics



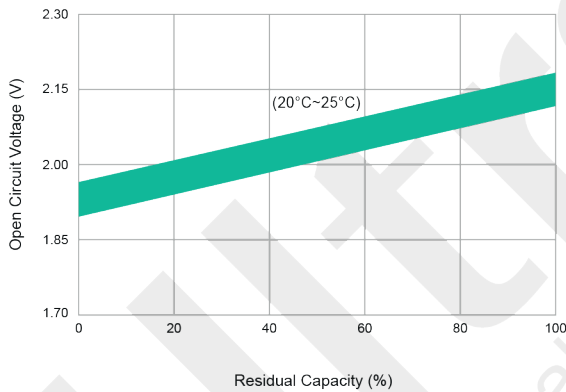
Temperature Effects in Relation to Battery Capacity



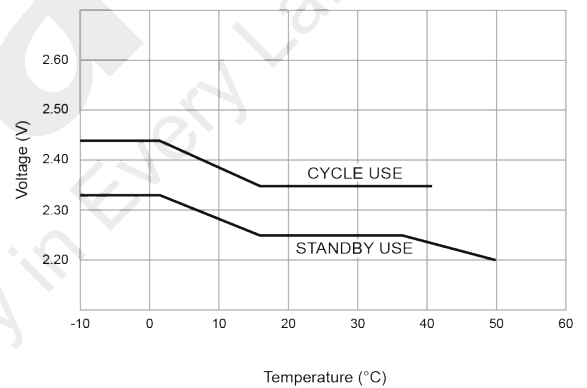
Self Discharge Characteristics



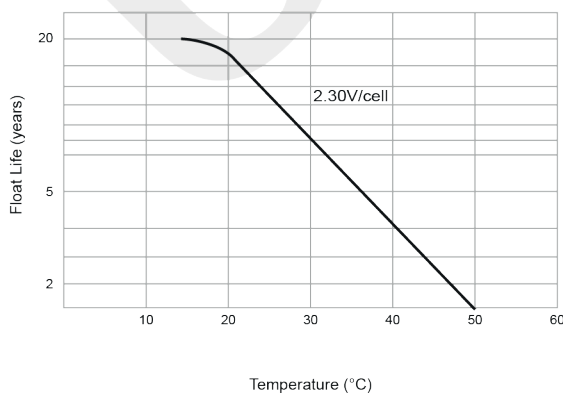
Open Circuit Voltage and Residual Capacity (25°C)



Charge Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D (25°C)

