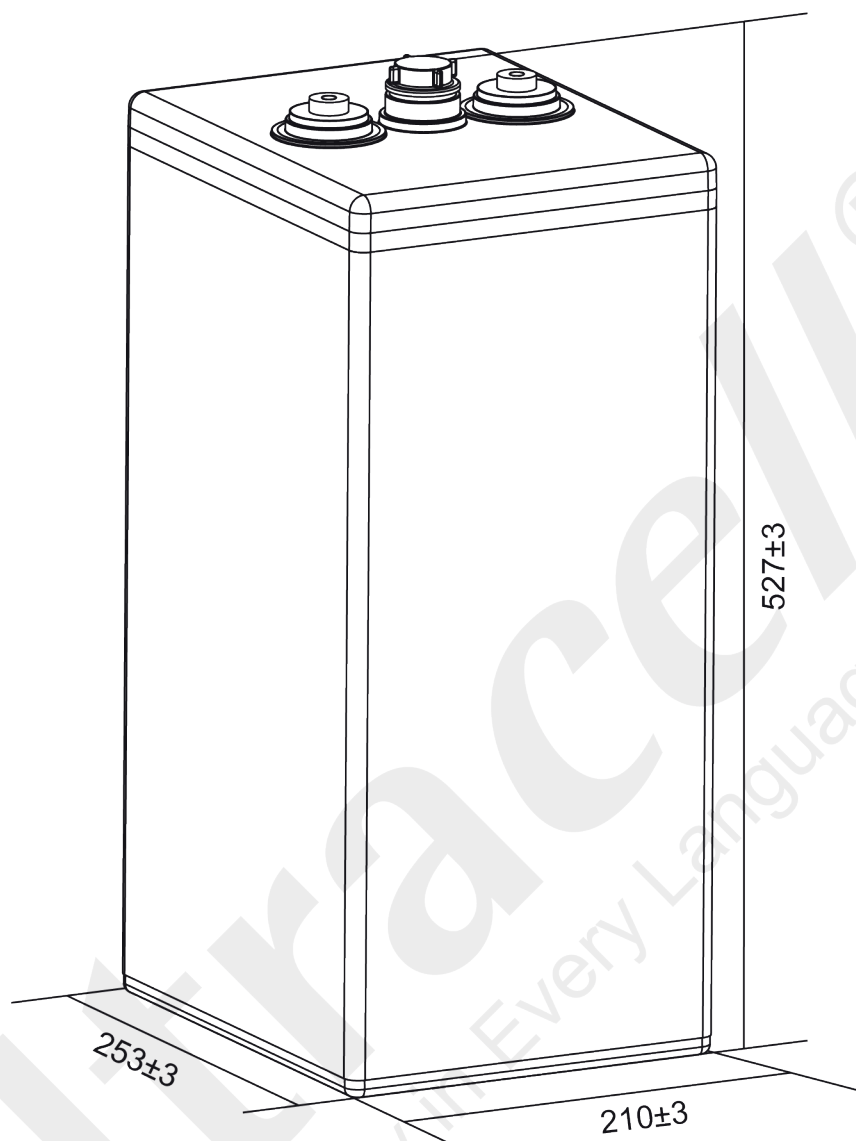
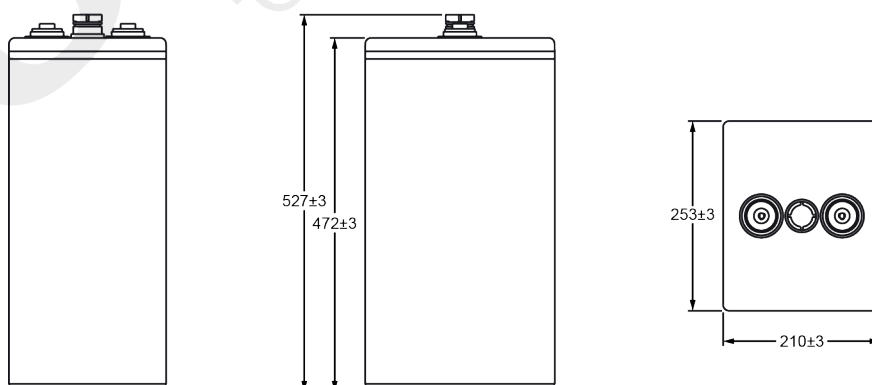




Technical Dimensions (mm)

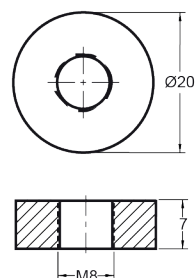


Image



Terminal Dimensions (mm)

Standard Terminal: F11



Technical Specification

Output	Nominal Voltage	2V
	Nominal Capacity (10HR)	770Ah
Terminal Type	Standard Terminal	F11
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(10HR 1.80V/cell, 25°C)	770.0 Ah/77.0A
	(3HR 1.75V/cell, 25°C)	589.0 Ah/196.0A
	(1HR 1.70V/cell, 25°C)	416.0 Ah/416.0A
Max Discharge Current	3850A (5s)	
Internal Resistance	Approx 0.50mΩ	
Discharge Characteristics	Operating Temp Range	Discharge: -15 ~ 50°C Charge: 10 ~ 45°C Storage: 10 ~ 30°C
	Nominal Operating Temp Range	20°C ± 5°C
	Cycle Use	Initial Charging Current less than 192.5A. Voltage 2.35V - 2.40V at 25°C Temp Coefficient -4mV/°C
	Standby Use	No limit on Initial Charging Current. Voltage 2.20V - 2.24V at 25°C Temp Coefficient -3mV/°C
	Capacity affected by Temperature	40°C 102% 25°C 100% 0°C 85%
Design Floating Life at 20°C	20 Years	

Self Discharge

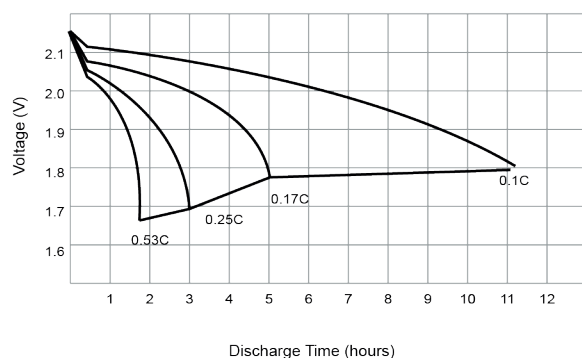
Ultracell® UZS batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time intervals will be shorter.

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

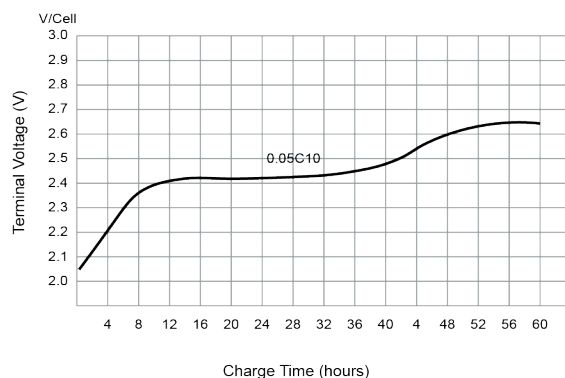
A = Amperes W = Watts

F.V/TIME	30 min	60 min	2 hours	3 hours	4 hours	5 hours	6 hours	8 hours	10 hours	20 hours	24 hours	48 hours	120 hours
A	W												
1.85V/cell	531	370	229	179	144	127	107	81.6	73.2	39.7	34.4	18.6	7.70
	986	693	439	347	280	246	209	161	142	77.0	69.3	37.7	15.7
1.80V/cell	562	393	244	190	153	135	114	87.0	77.0	41.6	36.2	18.6	---
	1055	747	470	373	300	265	225	173	153	83.2	72.8	37.7	---
1.75V/cell	585	404	250	196	158	139	118	90.1	77.8	42.0	36.4	---	---
	1093	770	481	385	310	273	232	179	154	83.9	73.2	---	---
1.70V/cell	601	416	254	198	159	139	119	90.9	77.8	42.0	36.7	---	---
	1124	785	489	389	312	275	234	179	156	83.9	73.5	---	---

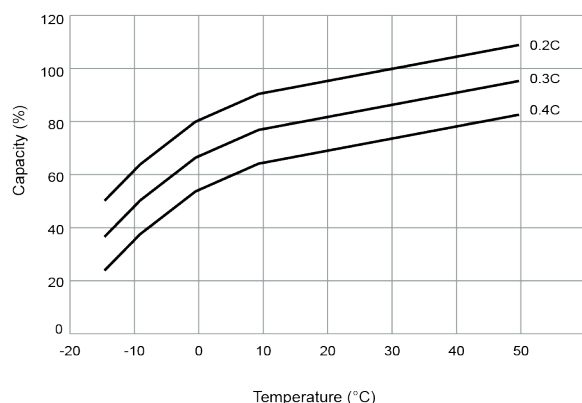
Discharge Characteristics



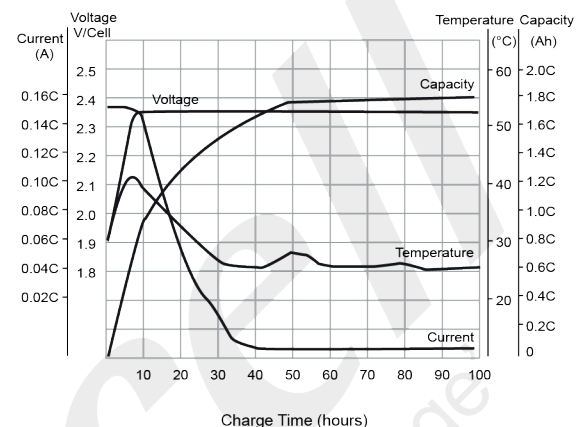
Charging Characteristics



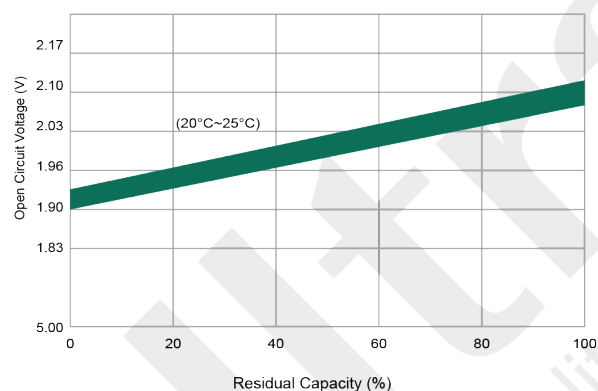
Temperature Effects in Relation to Battery Capacity



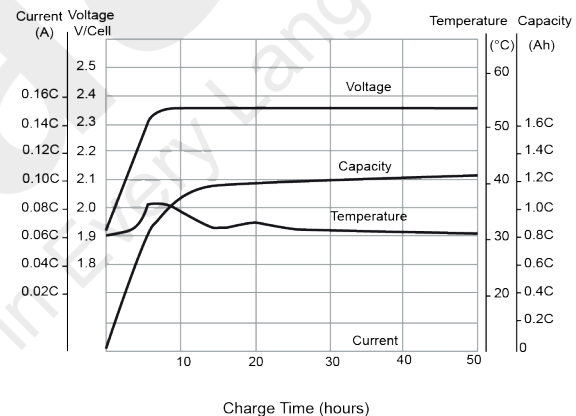
Initial Charging Characteristics



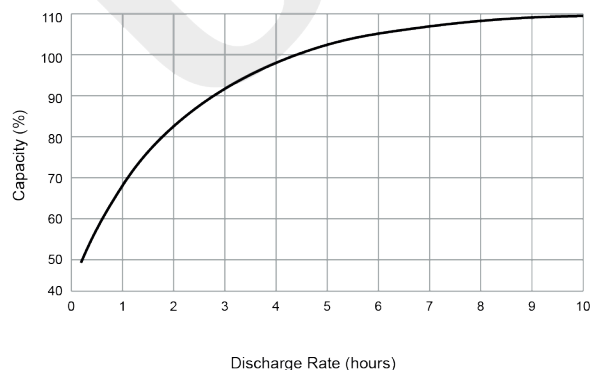
Open Circuit Voltage & Residual Capacity



Supplementary Charge Characteristics



Effects of Discharge Rate on Capacity



Cycle Life on D.O.D

