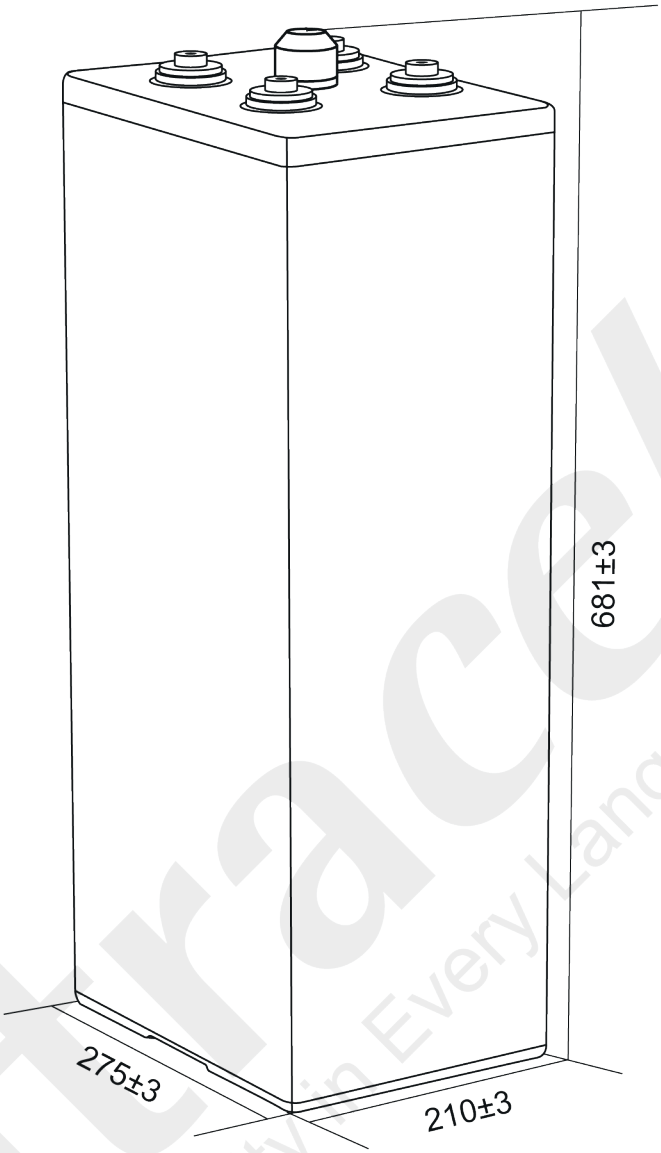
Ultracell®

'Quality in Every Language'

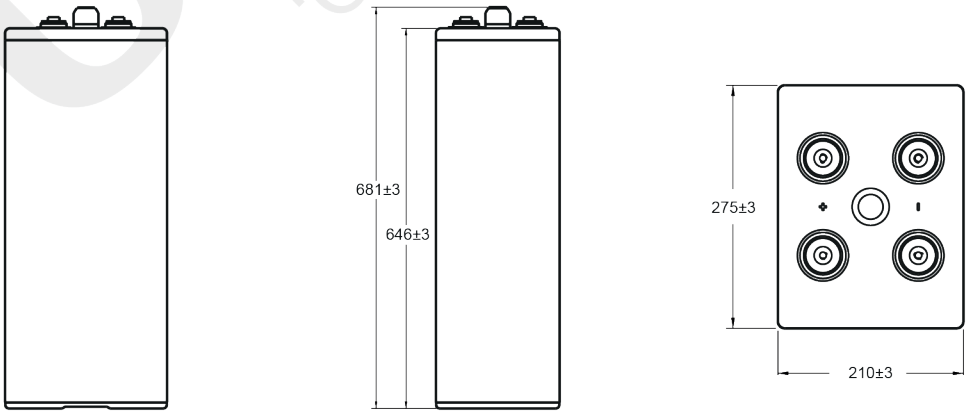
UZV1200-2

2V 1200Ah

Tubular Gel Series



Technical Dimensions (mm)



Ultracell (UK) Ltd | Vesty Business Park, Vesty Road, Liverpool, L30 1NY, United Kingdom
Tel: +44 (0) 151 523 2777 | Fax: +44 (0) 151 523 0855 | Email: info@ultracell.co.uk
www.ultracell.co.uk

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TechData

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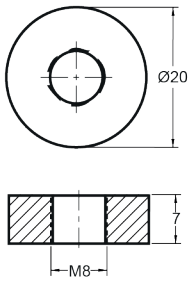
Image

Terminal Dimensions (mm)

Standard
Terminal: F11



Technical Specification

Output	Nominal Voltage Nominal Capacity (10HR)	2V 1200Ah
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)	1465 Ah/12.2A 1200 Ah/120.0A 684 Ah/673.0A
Max Discharge Current	6000A (5s)	
Internal Resistance	Approx 0.35mΩ	
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 240A. 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 A / W	30 min	60 min	2 hours	3 hours	4 hours	5 hours	6 hours	8 hours	10 hours	20 hours	24 hours	48 hours	72 hours	100 hours	120 hours
1.85V/cell	865	593	372	287	233	198	170	133	114	60.5	52.2	28.4	19.4	14.5	12.2
	1618	1127	719	563	455	390	335	264	227	121	105	57.5	39.6	29.3	25.0
1.80V/cell	911	624	391	302	245	209	179	140	120	63.6	55.0	29.0	19.8	---	---
	1703	1186	756	593	479	410	353	278	239	127	111	58.7	40.4	---	---
1.75V/cell	946	643	402	312	252	215	185	145	121	64.1	55.2	29.3	19.9	---	---
	1768	1223	775	612	494	424	364	288	240	128	111	59.0	40.7	---	---
1.70V/cell	970	656	408	314	253	216	186	146	121	64.4	55.3	29.4	---	---	---
	1812	1248	787	616	497	426	367	289	242	128	111	59.4	---	---	---
1.65V/cell	1000	673	412	317	256	218	187	148	122	64.6	55.7	---	---	---	---
	1870	1280	794	620	500	430	370	292	242	130	112	---	---	---	---

VdS
MH 29410
EMC 1188-C
IEC 60896
IEC 62321
Quality Veritas ISO 9001:2015

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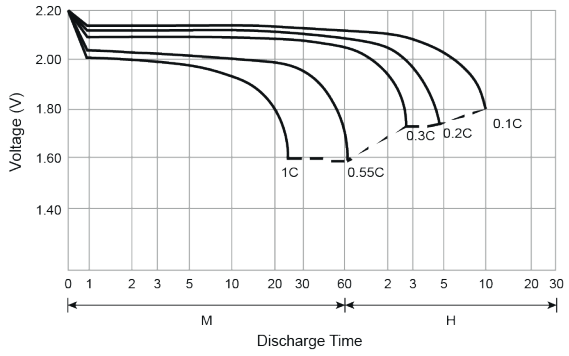
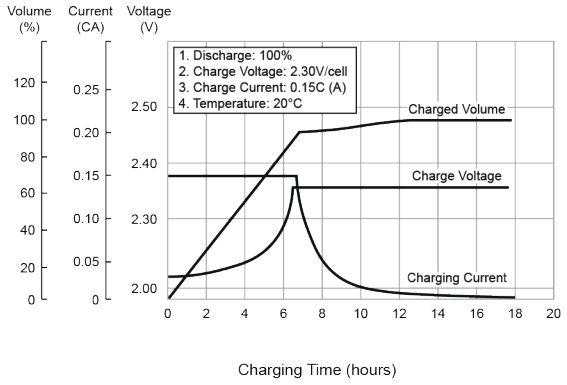
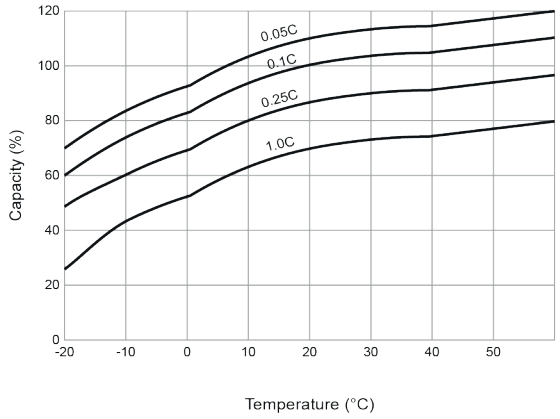
Discharge Characteristics



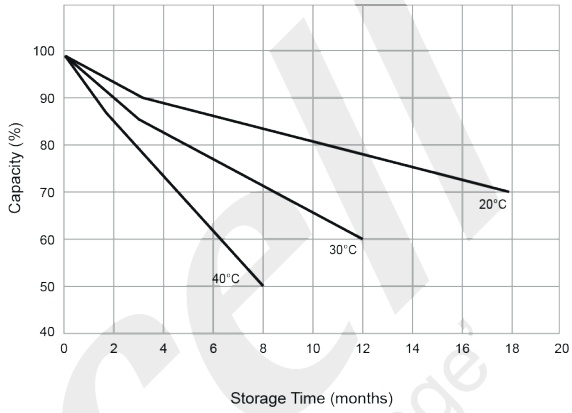
Charging Characteristics



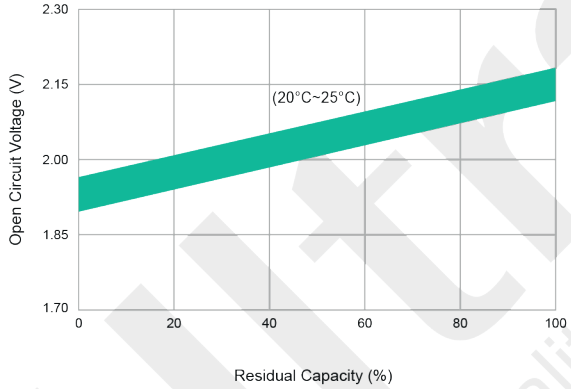
Temperature Effects in Relation to Battery Capacity



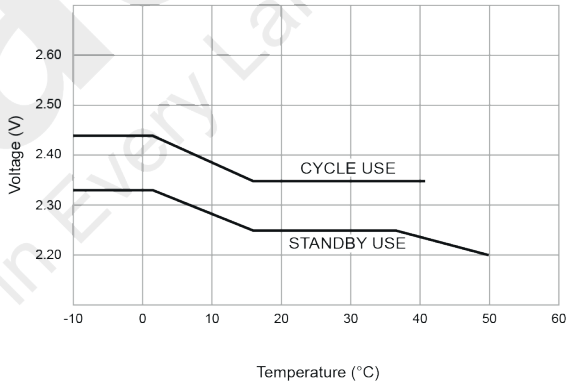
Self Discharge Characteristics



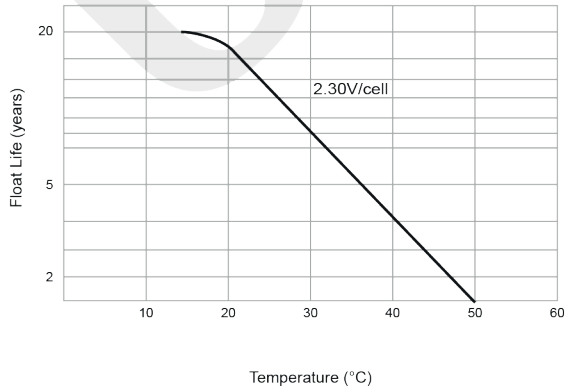
Open Circuit Voltage and Residual Capacity (25ºC)



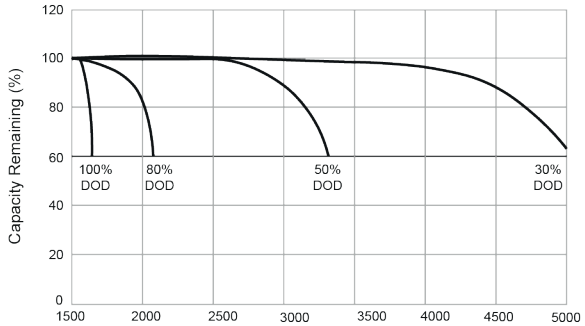
Charge Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D (25ºC)



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