

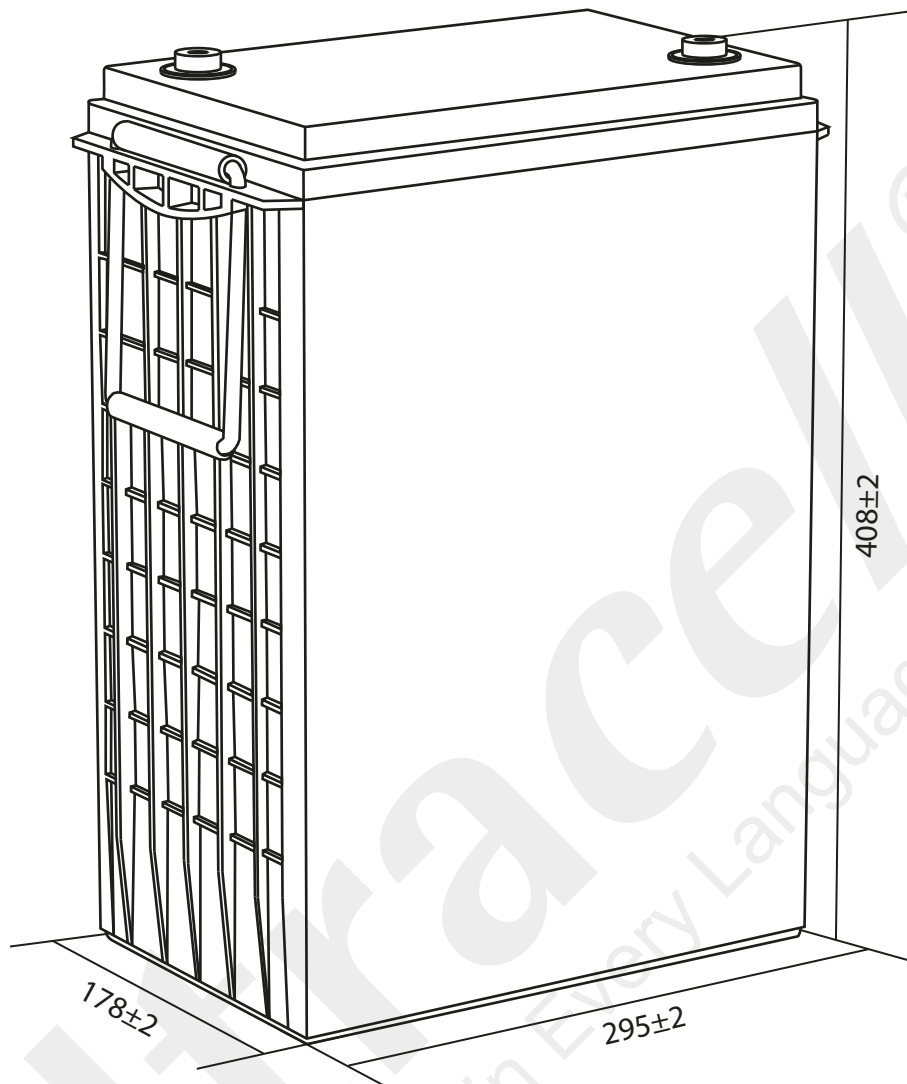
Ultracell®

'Quality in Every Language'

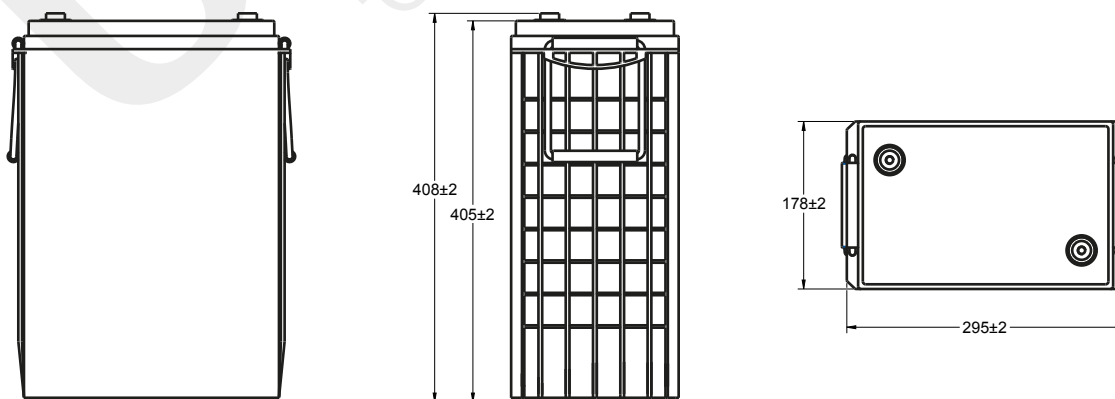
UZV600-6

6V 600Ah (C₁₂₀)

Flat Gel Series



Technical Dimensions (mm)

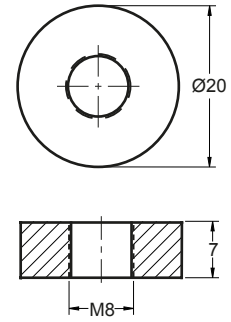


Image



Terminal Dimensions (mm)

Standard Terminal: F11



Technical Specification

Output	Nominal Voltage	6V
	Nominal Capacity (120HR)	600Ah
Terminal Type	Standard Terminal	F11
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(120HR 1.60V/cell, 25°C)	600 Ah/5.0A
	(20HR 1.75V/cell, 25°C)	495 Ah/24.75A
	(5HR 1.70V/cell, 25°C)	371 Ah/74.2A
	(1HR 1.60V/cell, 25°C)	224 Ah/224.0A
Max Discharge Current	1450A (5s)	
Internal Resistance	Approx 3.8mΩ	
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 80A. Voltage 7.05V ~ 7.2V @ 25°C Temp. Coefficient -30mV/°C
	Standby Use	No limit on initial charging current. Voltage 6.75V ~ 6.9V @ 25°C Temp. Coefficient -18mV/°C
	Capacity affected by Temperature	40°C 102% 25°C 100% 0°C 85%
Design Floating Life at 20°C	20 Years	

Self Discharge

Ultrace//® 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)

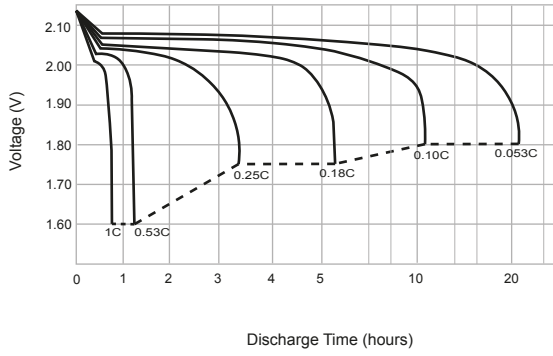
A = Amperes W = Watts

F.V/TIME	15 min	30 min	60 min	2 hours	3 hours	5 hours	8 hours	10 hours	20 hours	24 hours	48 hours	72 hours	100 hours	120 hours
A	W	min	min	min	hours	hours	hours	hours	hours	hours	hours	hours	hours	hours
1.80V/cell	392	313	204	137	102	73.9	47.1	40.0	24.6	19.1	9.94	6.99	5.11	5.00
	2152	1755	1165	793	597	431	280	231	119	108	61.9	42.1	30.4	29.8
1.75V/cell	414	320	208	140	103	74.2	48.5	40.3	24.75	19.4	10.2	7.04	5.14	5.05
	2272	1822	1202	813	615	444	288	236	122	110	62.3	42.6	31.0	30.1
1.70V/cell	428	332	215	143	105	75.6	48.9	40.6	25.1	19.5	10.4	7.07	5.17	5.09
	2352	1867	1226	826	620	447	290	240	126	113	62.7	43.0	31.6	30.5
1.65V/cell	445	343	221	144	106	76.2	49.2	40.9	25.3	19.7	10.8	7.11	5.19	5.12
	2442	1926	1258	833	624	450	292	245	129	117	62.9	43.4	32.2	31.3
1.60V/cell	456	350	224	145	107	76.8	49.5	41.1	25.5	19.9	11.2	7.15	5.21	5.15
	2502	1965	1277	838	628	453	294	248	132	121	63.1	43.8	32.8	31.8

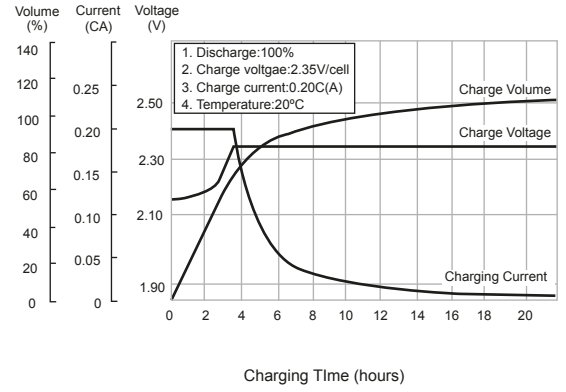




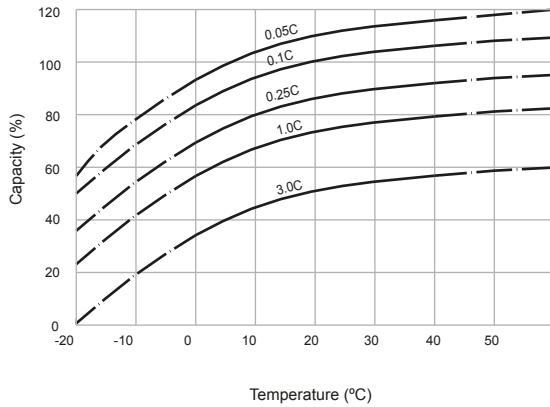
Discharge Characteristics



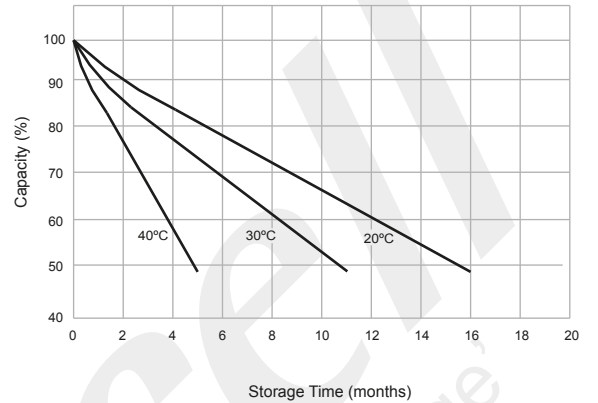
Charging Characteristics



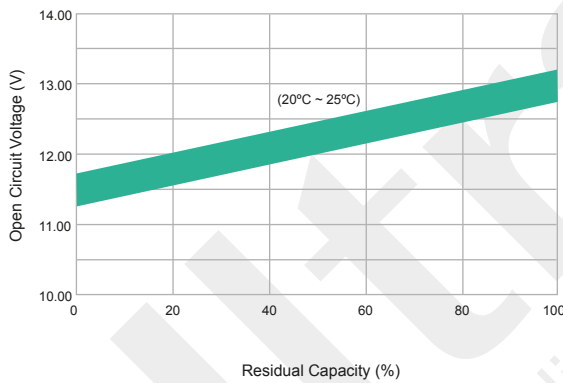
Temperature Effects in Relation to Battery Capacity



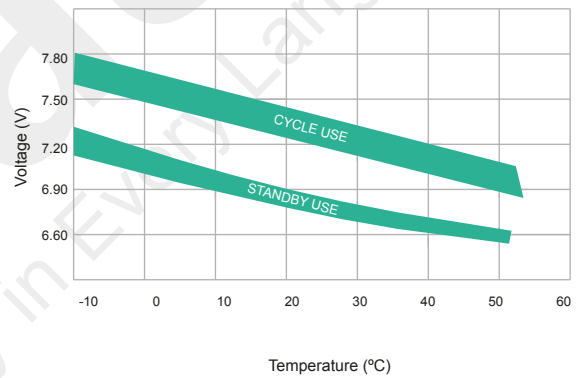
Self-Discharge Characteristics



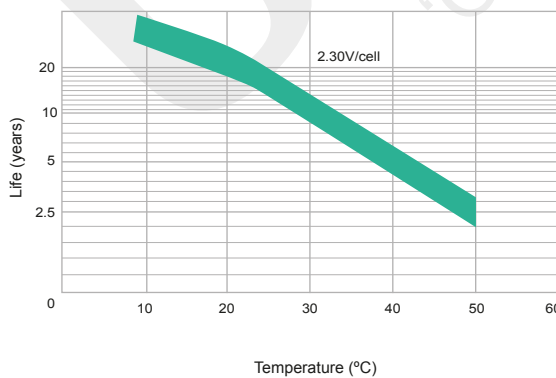
Open Circuit Voltage And Residual Capacity (25°C)



Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D (25°C)

