

UZV1000-2



Physical Specification

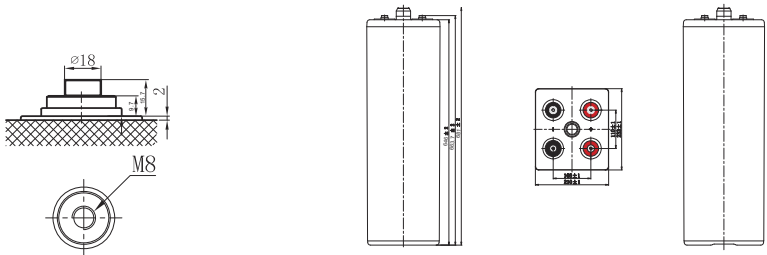
Part Number	UZV1000-2
Length	233 ± 2 mm
Width	210 ± 3 mm
Container Height	646 ± 3 mm
Total Height (with terminal)	681 ± 3 mm
Approx Weight	78.5 kg

Specifications

	Nominal Voltage	2V
	Nominal Capacity (10HR)	1000.0AH
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	1000 AH/100.0A
	5hr, 1.75V/cell, 25°C	865 AH/ 173A
	3hr, 1.75V/cell, 25°C	762 A H/254A
	1hr, 1.67V/cell, 25°C	568 AH/568A
Max Discharge Current	8000A (5s)	
Internal Resistance	Approx 0.45m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C
		Charge: 0 ~ 40°C
		Storage: -20 ~ 50°C
	Cycle Use	Initial Charging Current less than 250.0A.Voltage 2.40V~2.50V at 20°C(68°F)Temp. Coefficient -5mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 2.25V~2.30V at 20°C(68°F)Temp. Coefficient -3mV/°C
	Capacity affect by Temperature	40°C 103%
		25°C 100%
		0°C 86%
Design Floating Life at 20°C	20 Years	
Self Discharge	Ultracell batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

F11 Terminal



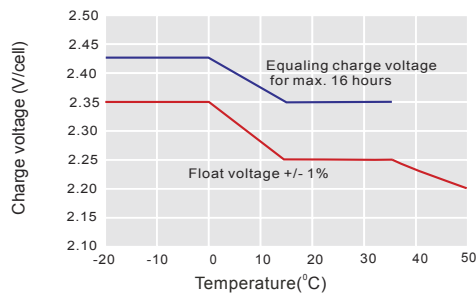
Constant Current Discharge (Amperes) at 20°C

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	682	648	558	445	295	228	157	110	93.7
1.80V/cell	839	784	650	502	324	249	169	118	100
1.75V/cell	992	877	693	522	333	254	173	119	102
1.70V/cell	1113	957	733	542	342	259	175	121	103
1.65V/cell	1196	1011	763	558	349	264	178	122	104
1.60V/cell	1251	1047	782	568	354	267	180	123	105

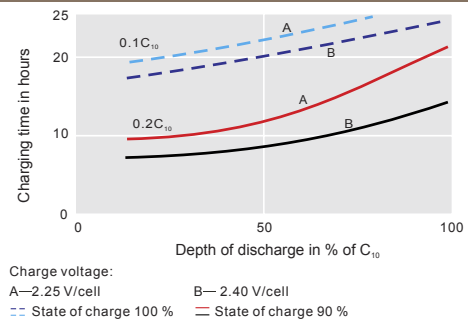
Constant Power Discharge (Watts) at 20°C

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	1268	1217	1066	862	574	446	309	217	186
1.80V/cell	1532	1452	1230	964	627	483	332	232	199
1.75V/cell	1782	1603	1298	997	641	492	337	236	201
1.70V/cell	1964	1724	1360	1029	654	500	341	238	203
1.65V/cell	2071	1793	1400	1051	665	507	345	241	205
1.60V/cell	2126	1830	1421	1062	670	511	347	242	206

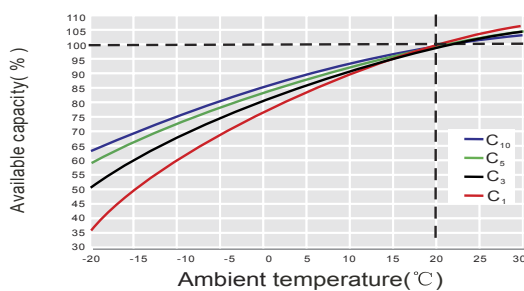
Temperature Effects in Relation to Charge Voltage



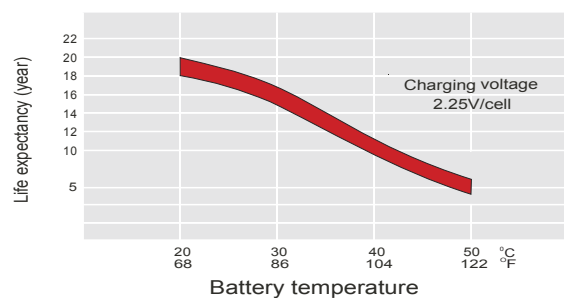
Charging Characteristics



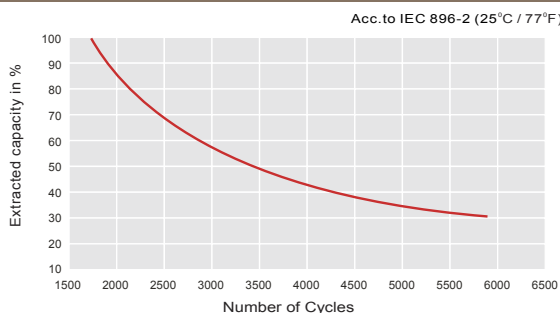
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time

