

UZV1200-2

2V 1200AH

OPzV

Ultracell®

Quality in Every Language

UZV1200-2



Physical Specification

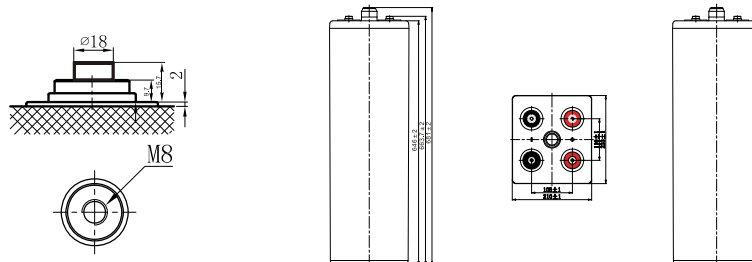
Part Number	UZV1200-2
Length	275 ± 2 mm
Width	210 ± 2 mm
Container Height	646 ± 2 mm
Total Height (with terminal)	681 ± 2 mm
Approx Weight	93.0 kg

Specifications

	Nominal Voltage	2V
	Nominal Capacity (10HR)	1200AH
Terminal Type	Standard Terminal	F11
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
	10hr, 1.80V/cell, 25°C	1200 AH/120.0A
	5hr, 1.75V/cell, 25°C	1035 A H/207A
	3hr, 1.75V/cell, 25°C	915 AH/305A
	1hr, 1.60V/cell, 25°C	681 AH/681A
Max Discharge Current	9600A (5s)	
Internal Resistance	Approx 0.45mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C
		Charge: 0 ~ 40°C
		Storage: -20 ~ 50°C
	Cycle Use	Initial Charging Current less than 240.0A. Voltage 2.40V ~ 2.50V Temp. Coefficient -5mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.30V 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



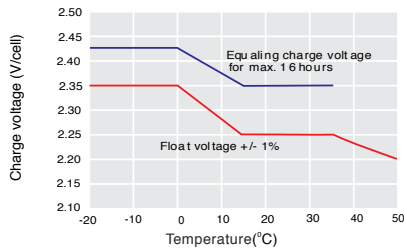
Constant Current Discharge (Amperes) at 20°C

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	818	777	670	535	354	274	188	132	112
1.80V/cell	1006	941	780	602	389	298	203	141	120
1.75V/cell	1190	1053	832	626	400	305	207	143	122
1.70V/cell	1336	1149	880	651	410	311	210	145	123
1.65V/cell	1435	1213	915	669	419	317	214	147	125
1.60V/cell	1501	1256	939	681	424	321	216	148	125

Constant Power Discharge (Watts) at 20°C

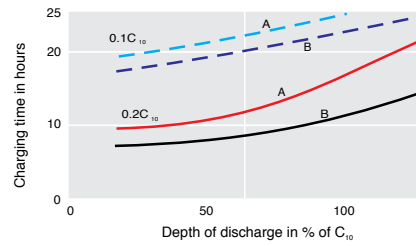
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	1522	1460	1279	1034	689	535	370	261	224
1.80V/cell	1839	1743	1476	1157	753	580	398	279	238
1.75V/cell	2138	1923	1557	1196	769	591	404	283	242
1.70V/cell	2357	2069	1632	1234	785	600	409	286	244
1.65V/cell	2486	2152	1680	1261	798	608	414	289	246
1.60V/cell	2551	2196	1705	1275	804	613	417	290	248

Discharge Characteristics



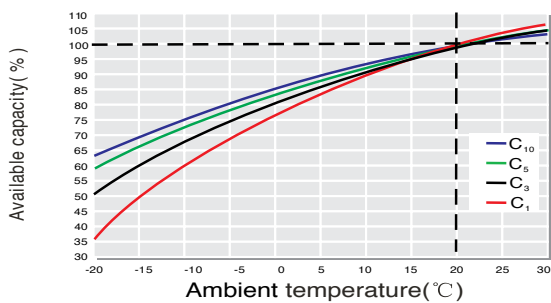
For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for continuously different battery ambient temperature.

Float Charging Characteristics

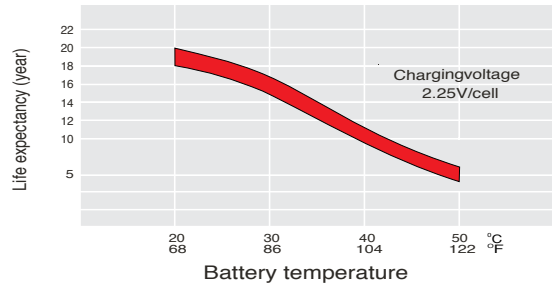


Charge voltage :
 A—2.25 V/cell B—2.40 V/cell
 — State of charge 100% - - - State of charge 90%

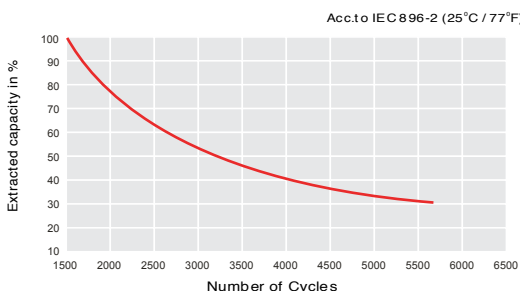
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time

