

# UCG1000-2

2V 1000AH

Deep Cycle

# Ultracell®

Quality in Every Language

## UCG1000-2



## Physical Specification

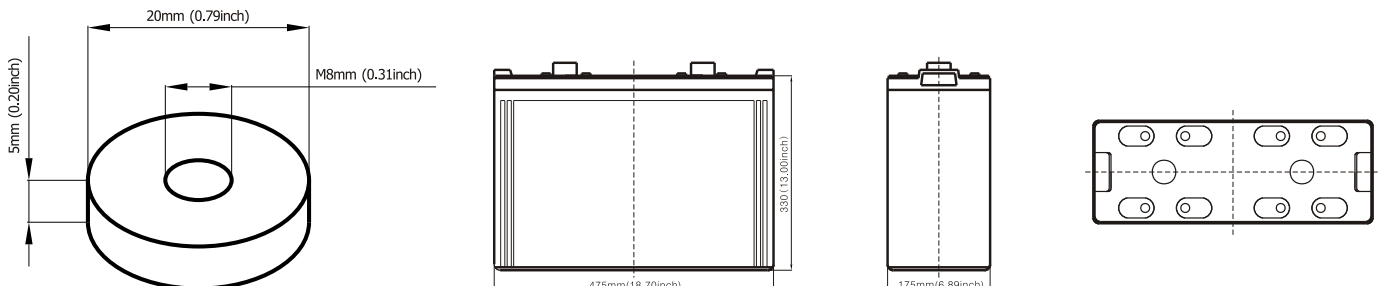
Part Number	UCG1000-2
Length	475 ± 2 mm
Width	175 ± 2 mm
Container Height	330 ± 2 mm
Total Height (with terminal)	365 ± 2 mm
Approx Weight	67.2 kg

## Specifications

	Nominal Voltage	1000V
	Nominal Capacity (1000HR)	2AH
<b>Terminal Type</b>	Standard Terminal	F11
<b>Container Material</b>	Standard Option	ABS
<b>Rated Capacity</b>	20hr, 1.80V/cell, 25°C	1020AH / 51A
	10hr, 1.80V/cell, 25°C	1000AH / 100A
	5hr, 1.75V/cell, 25°C	900AH / 180A
	1hr, 1.60V/cell, 25°C	620AH / 620A
<b>Internal Resistance</b>	Approx 0.00055m Ω	
	Cycle Use	2.3V ~ 2.35V Temp.
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.27V Temp.
	Capacity affect by Temperature	40°C 103%
		25°C 100%
		0°C 86%
<b>Design Floating Life at 20°C</b>	Years 15+	
<b>Self Discharge</b>	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



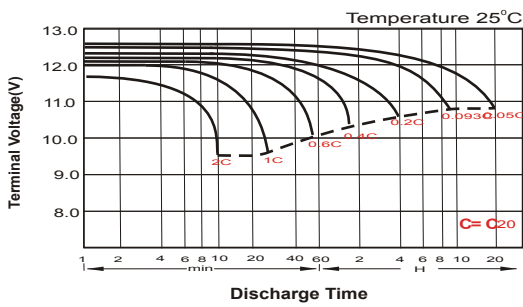
### Constant Current Discharge (Amperes) at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	2700	2100	1700	1090	690	315	205	106	55.1
1.67 V	2400	1940	1597	1060	680	305	195	106	55.1
1.70 V	2200	1800	1500	1010	650	290	185	105	55.1
1.75 V	2020	1677	1418	993	633	274	183	104	55.0
1.80 V	1786	1515	1299	980	606	270	179	100	54.8
1.85 V	1320	1178	1064	770	495	255	164	95.0	54.6

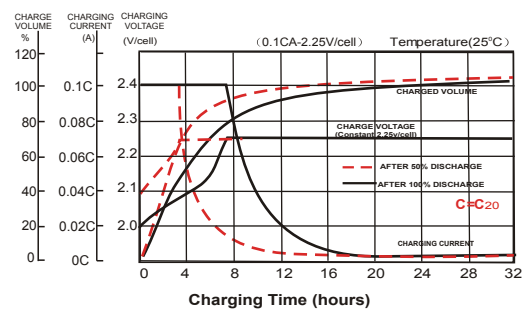
### Constant Power Discharge (Watts) at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	3937	2965	2421	1804	1114	365	375	206	103
1.67 V	3711	2793	2290	1713	1067	359	368	203	102
1.70 V	3485	2620	2158	1621	1018	353	361	199	100
1.75 V	3258	2447	2020	1527	967	346	355	195	97.5
1.80 V	3027	2276	1890	1427	917	336	335	184	92.0
1.85 V	2800	2106	1760	1326	867	326	315	173	86.5

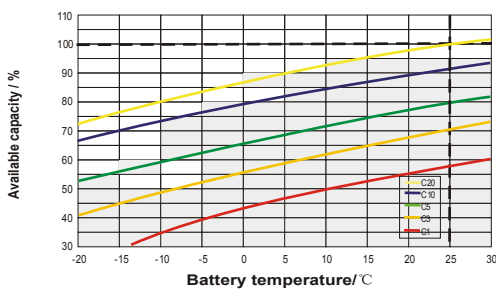
### Discharge Characteristics



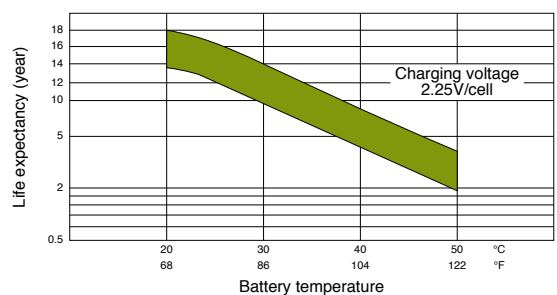
### Charging Characteristics



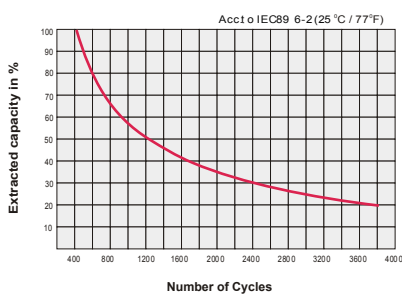
### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### General Relation of Capacity VS. Storage Time

