

### UCG130-2

Awaiting Image

### Physical Specification

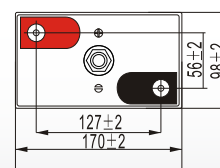
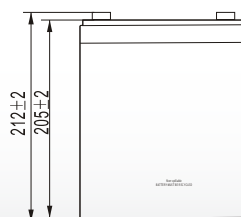
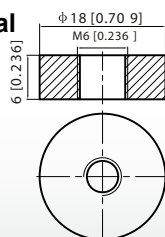
Part Number:	<b>UCG130-2</b>
Length:	<b>170 ± 2 mm (6.69 inches)</b>
Width:	<b>98 ± 2 mm (3.86 inches)</b>
Container Height:	<b>205 ± 2 mm (8.07 inches)</b>
Total Height (with terminal):	<b>212 ± 2 mm (8.35 inches)</b>
Approx Weight:	<b>Approx 8.3 kg (18.30lbs)</b>

### Specifications

	Nominal Voltage	2V
	Nominal Capacity (20HR)	130AH
Terminal Type	Standard Terminal	F7
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	128.0 AH/6.40A	(20hr, 1.80V/cell, 25°C / 77°F)
	120.0 AH/12.0A	(10hr, 1.80V/cell, 25°C / 77°F)
	103.2 A H/20.64A	(5hr, 1.75V/cell, 25°C / 77°F)
	89.7 AH/29.9A	(3hr, 1.75V/cell, 25°C / 77°F)
	70.4 AH/70.4A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	910A (5s)	
Internal Resistance	Approx 1.35mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -20 ~ 55°C (-4 ~ 131°F)
		Charge: 0 ~ 40°C (32 ~ 104°F)
		Storage: -20 ~ 50°C (-4 ~ 122°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 32.5A. Voltage 2.4V ~ 2.5V at 25°C (77°F) Temp. Coefficient -5mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.3V at 25°C (77°F) Temp. Coefficient -3mV/°C
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Design Floating Life at 20°C	15 Years	
Self Discharge	Ultracell batteries may be stored for up to 6 months at 25°C(°77F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

### Dimensions

#### F7 Terminal



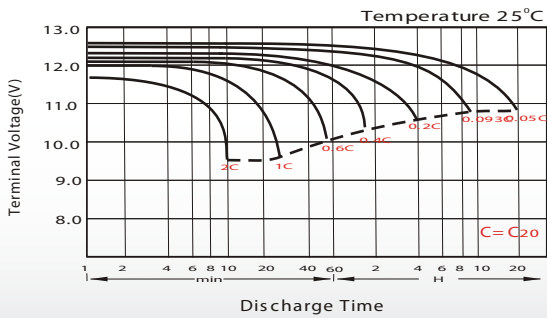
## Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	104.4	82.1	62.6	54.4	34.7	26.4	21.9	18.91	16.32	14.45	13.04	11.91	11.27	6.14
1.80V/cell	119.9	91.7	69.1	60.0	37.6	28.3	23.2	19.87	17.14	15.12	13.67	12.53	11.77	6.40
1.75V/cell	134.6	100.8	74.6	64.1	39.8	29.9	24.3	20.64	17.74	15.67	14.10	12.91	12.00	6.53
1.70V/cell	145.1	108.0	79.2	67.9	42.2	31.2	25.1	21.26	18.36	16.18	14.52	13.24	12.29	6.62
1.67V/cell	150.8	112.3	82.1	70.4	43.3	32.2	25.7	21.72	18.66	16.42	14.73	13.43	12.43	6.68
1.60V/cell	163.4	120.0	88.2	74.8	45.0	33.4	26.7	22.39	19.12	16.77	15.00	13.71	12.67	6.77

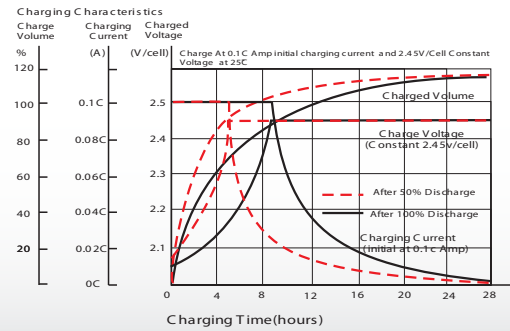
## Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	198.3	156.9	120.4	105.0	67.2	51.4	42.7	37.0	32.1	28.5	25.7	23.5	22.3	12.2
1.80V/cell	224.7	173.6	131.7	115.3	72.5	54.9	45.1	38.8	33.6	29.7	26.9	24.7	23.2	12.7
1.75V/cell	249.5	188.8	140.8	122.5	76.5	57.8	47.2	40.1	34.6	30.7	27.7	25.4	23.7	12.9
1.70V/cell	265.9	200.9	149.1	129.4	80.8	60.0	48.5	41.2	35.8	31.7	28.5	26.1	24.2	13.1
1.67V/cell	273.3	206.1	153.1	133.1	82.4	61.7	49.6	42.0	36.3	32.0	28.8	26.4	24.5	13.2
1.60V/cell	292.9	218.8	163.5	140.5	85.3	63.9	51.3	43.1	37.0	32.6	29.3	26.9	24.9	13.3

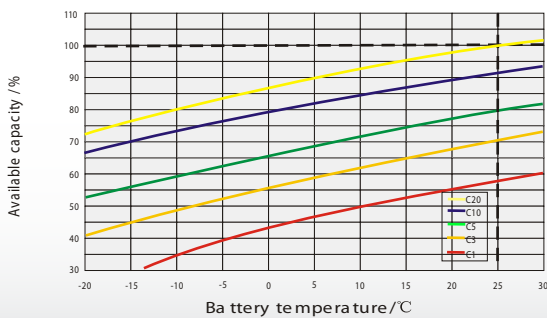
### Discharge Characteristics



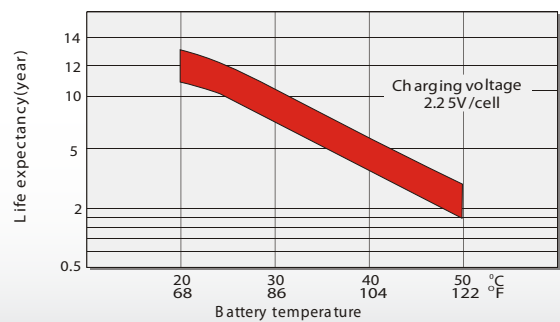
### Float Charging Characteristics



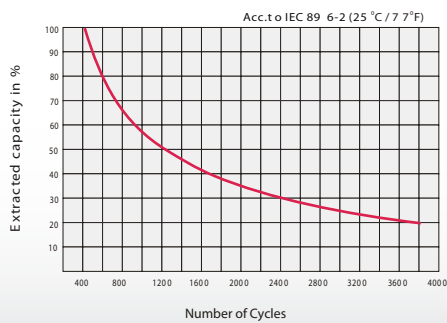
### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### General Relation of Capacity VS. Storage Time

