



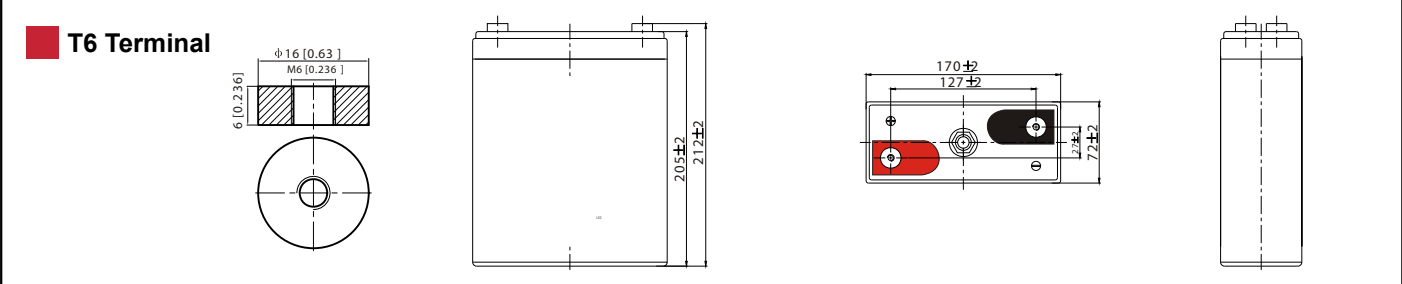
**Physical Specification**

Part Number:	<b>CBG65-2</b>
Length:	<b>170 ± 2 mm (6.69 inches)</b>
Width:	<b>72 ± 2 mm (2.83 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 5.2 kg (11.47lbs)</b>

**Specifications**

	Nominal Voltage	2V	
	Nominal Capacity (20HR)	65AH	
<b>Terminal Type</b>	Standard Terminal	T6	
	Optional Terminal	-	
<b>Container Material</b>	Standard Option	ABS	
	Flame Retardant Option (FR)	ABS (UL94:VO)	
<b>Rated Capacity</b>	65.0 AH/3.25A	(20hr, 1.80V/cell, 25°C / 77°F)	
	60.0 AH/6.00A	(10hr, 1.80V/cell, 25°C / 77°F)	
	51.6 A H/10.3A	(5hr, 1.75V/cell, 25°C / 77°F)	
	45.9 AH/15.3A	(3hr, 1.75V/cell, 25°C / 77°F)	
	35.2 AH/35.2A	(1hr, 1.60V/cell, 25°C / 77°F)	
<b>Max Discharge Current</b>	455A (5s)		
<b>Internal Resistance</b>	Approx 1.58mΩ		
<b>Discharge Characteristics</b>	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 16.25A. Voltage 2.25V ~ 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%	
<b>Design Floating Life at 20°C</b>	15 Years		
<b>Self Discharge</b>	Canbat 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**



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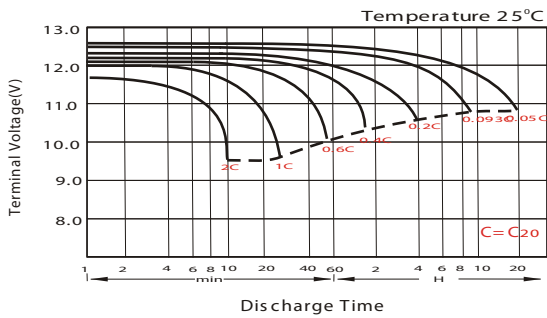
## Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	49.6	43.0	34.5	27.7	18.2	14.0	11.5	9.79	8.51	7.50	6.85	6.26	5.78	3.15
1.80V/cell	58.7	50.6	39.3	31.1	19.7	14.5	11.9	10.0	8.71	7.62	7.06	6.43	5.94	3.25
1.75V/cell	64.2	53.0	41.7	32.7	20.5	15.3	12.2	10.3	8.98	7.79	7.21	6.54	6.00	3.30
1.70V/cell	68.4	55.5	43.5	33.9	21.3	15.8	12.6	10.6	9.30	8.13	7.47	6.72	6.13	3.33
1.67V/cell	73.7	59.1	44.7	35.2	21.9	16.5	13.1	10.9	9.56	8.26	7.58	6.85	6.26	3.37
1.60V/cell	79.6	63.0	46.8	36.6	22.7	17.0	13.6	11.2	9.69	8.38	7.67	7.00	6.40	3.41

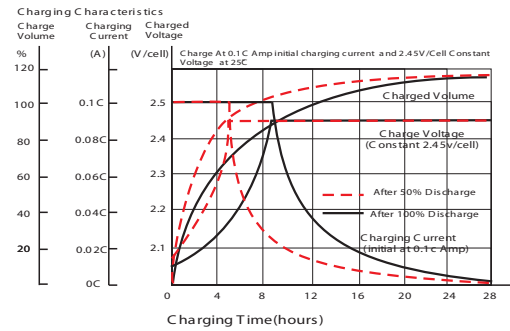
## Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	93.0	81.8	66.3	53.7	35.2	27.1	22.4	19.2	16.7	14.8	13.5	12.4	11.4	6.25
1.80V/cell	108.8	94.7	74.6	59.7	38.1	28.1	23.2	19.6	17.1	15.0	13.9	12.7	11.7	6.43
1.75V/cell	118.0	98.5	78.8	62.5	39.4	29.6	23.6	20.1	17.5	15.3	14.2	12.9	11.8	6.51
1.70V/cell	125.0	102.6	81.9	64.6	40.8	30.4	24.3	20.6	18.1	15.9	14.7	13.2	12.1	6.58
1.67V/cell	133.5	108.4	83.4	66.5	41.8	31.7	25.3	21.1	18.6	16.1	14.8	13.4	12.3	6.64
1.60V/cell	142.6	114.9	86.8	68.8	43.0	32.5	26.1	21.5	18.8	16.3	15.0	13.7	12.6	6.71

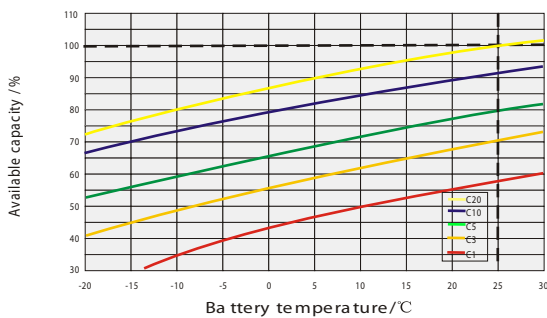
### Discharge Characteristics



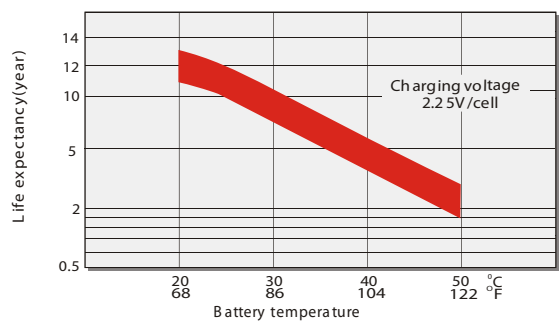
### Float Charging Characteristics



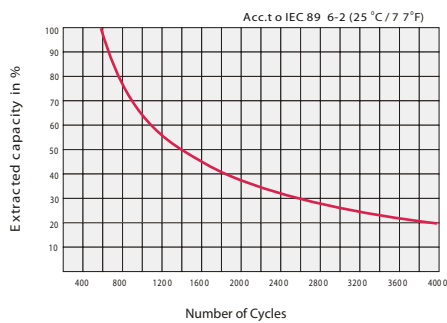
### Temperature Effects in Relation to Battery Capacity



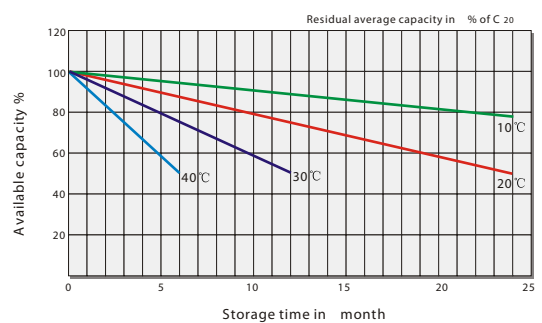
### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### General Relation of Capacity VS. Storage Time



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