



## CBL 200-2



## Physical Specification

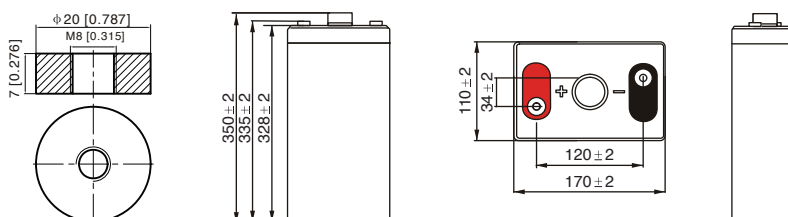
Part Number:	<b>CBL200-2</b>
Length:	<b>170 ± 2 mm (6.69 inches)</b>
Width:	<b>110 ± 2 mm (4.33 inches)</b>
Container Height:	<b>328 ± 2 mm (12.91 inches)</b>
Total Height (with terminal):	<b>350 ± 2 mm (13.78 inches)</b>
Approx Weight:	<b>Approx 12.7 kg (28.0 lbs)</b>

## Specifications

	Normal Voltage	2V
	Normal Capacity (20HR)	200AH
Terminal Type	Standard Terminal	T11
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	UL94:VO
Rated Capacity	210.0 AH/10.5A	(20hr, 1.80V/cell, 25°C / 77°F)
	200.0 AH/20.0A	(10hr, 1.80V/cell, 25°C / 77°F)
	171.0 AH/34.2A	(5hr, 1.75V/cell, 25°C / 77°F)
	150.0 AH/50.0A	(3hr, 1.75V/cell, 25°C / 77°F)
	120.0 AH/120.0A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	1600A (5s)	
Internal Resistance	Approx 1.0mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)
		Charge: 0 ~ 40°C (5 ~ 104°F)
		Storage: -15 ~ 40°C (5 ~ 104°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 60.0A. 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	10 Years	
Self Discharge	Canbat 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

### T11 Terminal



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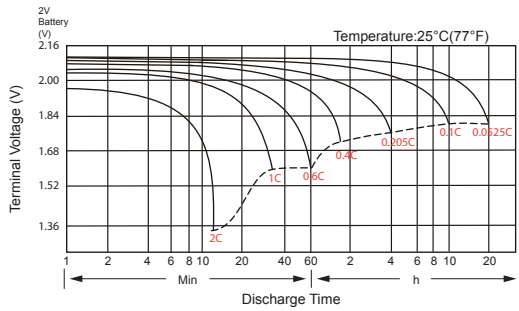
### Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	233.3	205.6	180.7	160.0	133.7	108.6	88.6	59.4	45.4	36.6	31.3	27.6	22.4	19.1	10.1
1.80V/cell	284.0	240.6	205.9	179.3	146.9	116.8	94.4	62.5	49.2	37.9	32.6	28.7	23.4	20.0	10.5
1.75V/cell	331.9	275.7	233.0	198.7	159.8	126.4	101.6	66.3	50.0	40.0	34.2	30.1	24.0	20.4	10.6
1.70V/cell	379.9	311.7	257.5	218.5	173.6	135.0	107.6	70.0	52.2	41.6	35.6	31.2	24.8	20.9	10.9
1.65V/cell	407.8	333.2	274.0	231.0	181.9	140.4	111.8	72.3	53.9	42.9	36.6	31.7	25.3	21.2	11.0
1.60V/cell	473.0	377.3	308.0	257.5	199.0	151.8	120.0	75.9	56.1	44.7	38.3	33.1	26.2	21.9	11.4

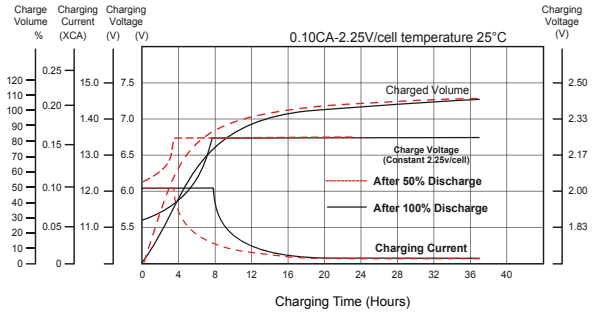
### Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	429.0	381.8	339.0	303.2	256.2	209.8	171.9	115.9	89.0	71.9	61.7	54.5	44.4	38.0	20.2
1.80V/cell	516.6	441.6	381.2	334.8	277.2	223.9	182.1	121.2	95.9	74.0	63.9	56.5	46.3	39.7	20.9
1.75V/cell	591.0	498.0	426.0	367.5	299.0	240.1	195.1	128.1	97.0	77.8	66.8	59.1	47.4	40.5	21.1
1.70V/cell	657.7	550.2	464.3	401.1	323.1	255.5	205.8	134.9	101.1	80.9	69.4	61.1	48.9	41.4	21.6
1.65V/cell	696.1	582.9	490.2	420.8	335.8	263.2	212.4	138.6	103.9	83.0	71.1	62.0	49.7	42.0	21.9
1.60V/cell	788.8	645.2	542.0	464.1	364.8	283.2	226.8	144.8	107.8	86.2	74.2	64.5	51.4	43.4	22.5

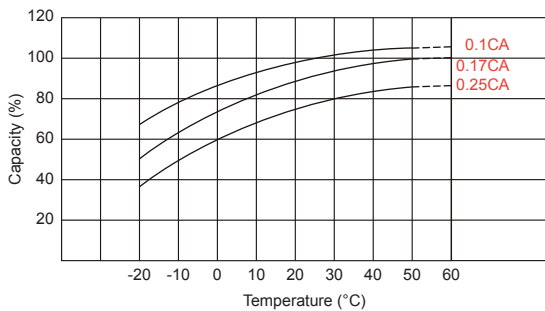
### Discharge Characteristics



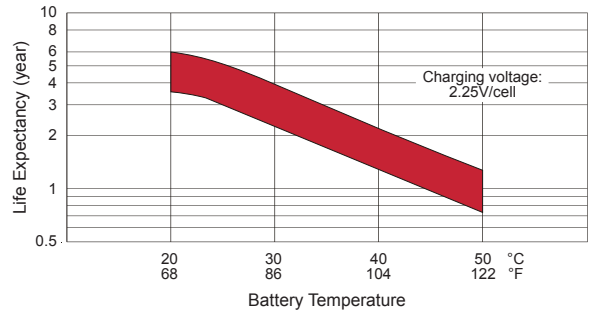
### Float Charging Characteristics



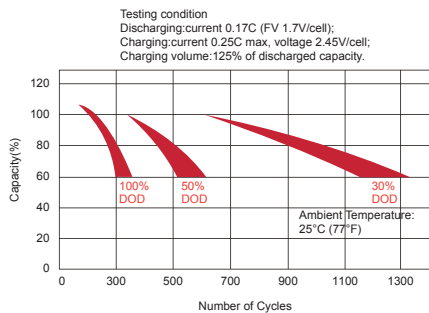
### Temperature Effects in Relation to Battery Capacity



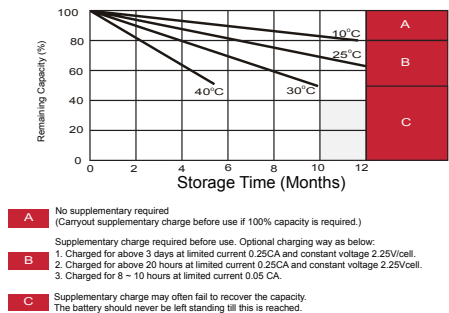
### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### Self Discharge Characteristics



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