

CBL 120-2

2V 120AH
General Purpose



CBL 120-2

Awaiting Image

Physical Specification

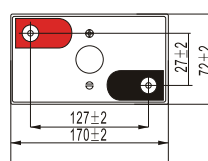
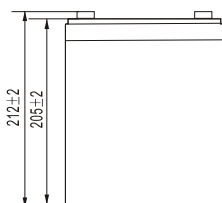
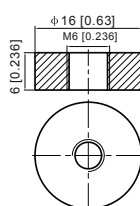
Part Number:	CBL120-2
Length:	170 ± 2 mm (6.69 inches)
Width:	98 ± 2 mm (3.86 inches)
Container Height:	205 ± 2 mm (8.07 inches)
Total Height (with terminal):	212 ± 2 mm (8.35 inches)
Approx Weight:	Approx 7.6 kg (16.8 lbs)

Specifications

	Normal Voltage	2V
	Normal Capacity (20HR)	120AH
Terminal Type	Standard Terminal	T7
	Optional Terminal	-
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	UL94:VO
Rated Capacity	126.0 AH/6.30A	(20hr, 1.80V/cell, 25°C / 77°F)
	120.0 AH/12.0A	(10hr, 1.80V/cell, 25°C / 77°F)
	102.5 AH/20.5A	(5hr, 1.75V/cell, 25°C / 77°F)
	90.0 AH/30.0A	(3hr, 1.75V/cell, 25°C / 77°F)
	72.0 AH/72.0A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	960A (5s)	
Internal Resistance	Approx 1.3mΩ	
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 36.0A. 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

T7 Terminal



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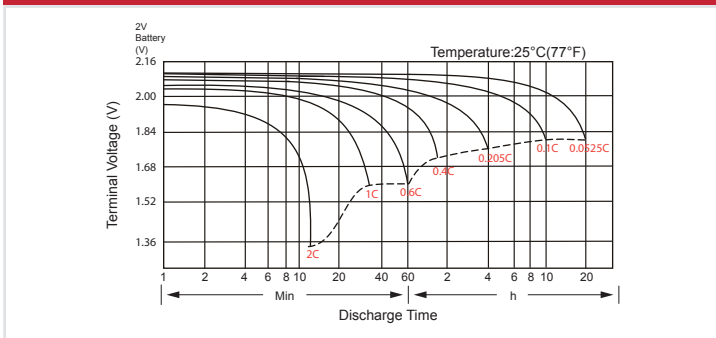
Constant Current Discharge (Amperes) at 25°C (77°F)

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	140.0	123.4	108.4	96.0	80.2	65.2	53.2	35.6	27.2	22.0	18.8	16.5	13.4	11.5	6.08
1.80V/cell	170.4	144.4	123.6	107.6	88.1	70.1	56.7	37.5	29.5	22.7	19.6	17.2	14.1	12.0	6.30
1.75V/cell	199.2	165.4	139.8	119.2	95.9	75.8	61.0	39.8	30.0	24.0	20.5	18.1	14.4	12.2	6.38
1.70V/cell	227.9	187.0	154.5	131.1	104.2	81.0	64.5	42.0	31.3	25.0	21.3	18.7	14.9	12.5	6.52
1.65V/cell	244.7	199.9	164.4	138.6	109.2	84.2	67.1	43.4	32.3	25.7	21.9	19.0	15.2	12.7	6.63
1.60V/cell	283.8	226.4	184.8	154.5	119.4	91.1	72.0	45.5	33.7	26.8	23.0	19.9	15.7	13.2	6.83

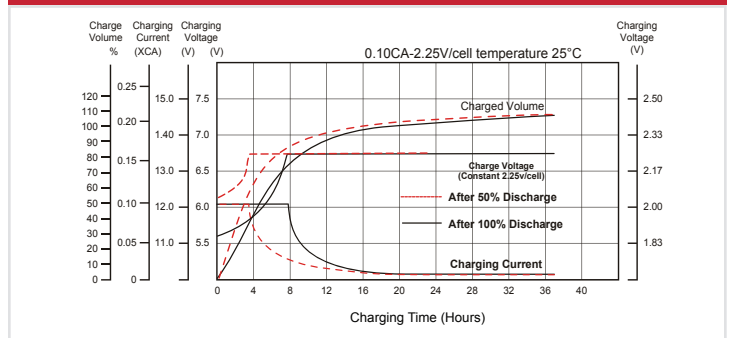
Constant Power Discharge (Watts) at 25°C (77°F)

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	257.4	229.1	203.4	181.9	153.7	125.9	103.1	69.6	53.4	43.2	37.0	32.7	26.6	22.8	12.1
1.80V/cell	309.9	265.0	228.7	200.9	166.3	134.3	109.3	72.7	57.5	44.4	38.4	33.9	27.8	23.8	12.5
1.75V/cell	354.6	298.8	255.6	220.5	179.4	144.0	117.0	76.8	58.2	46.7	40.1	35.4	28.5	24.3	12.7
1.70V/cell	394.6	330.1	278.6	240.7	193.9	153.3	123.5	81.0	60.7	48.5	41.7	36.6	29.3	24.9	12.9
1.65V/cell	417.7	349.7	294.1	252.5	201.5	157.9	127.4	83.1	62.3	49.8	42.7	37.2	29.8	25.2	13.1
1.60V/cell	473.3	387.1	325.2	278.5	218.9	169.9	136.1	86.9	64.7	51.7	44.5	38.7	30.9	26.0	13.5

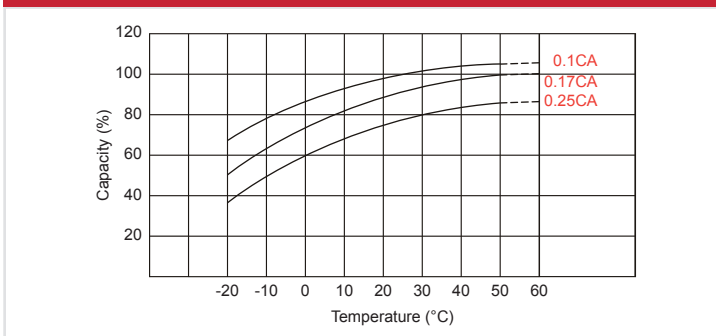
Discharge Characteristics



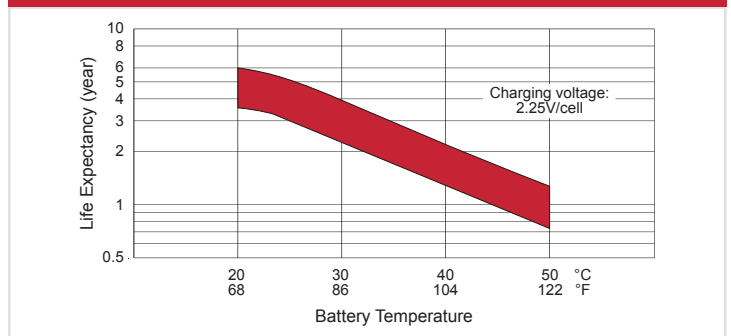
Float Charging Characteristics



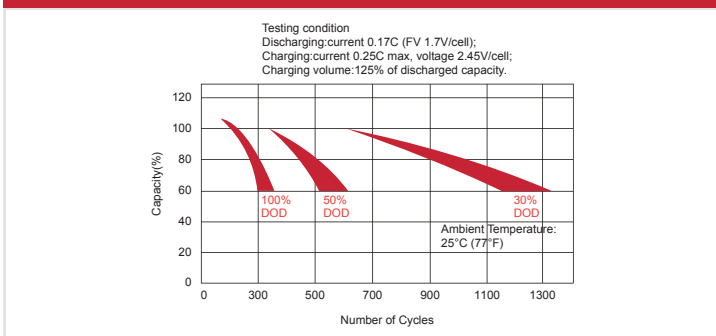
Temperature Effects in Relation to Battery Capacity



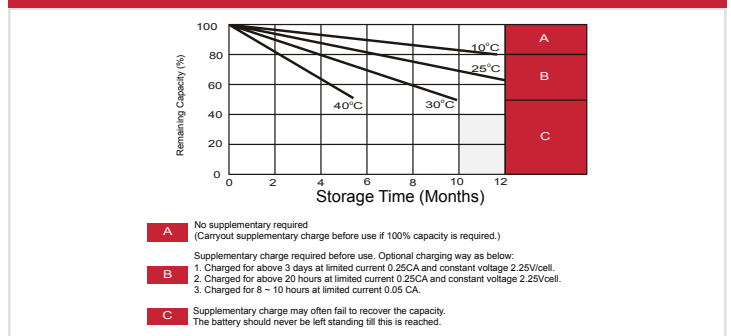
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



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