

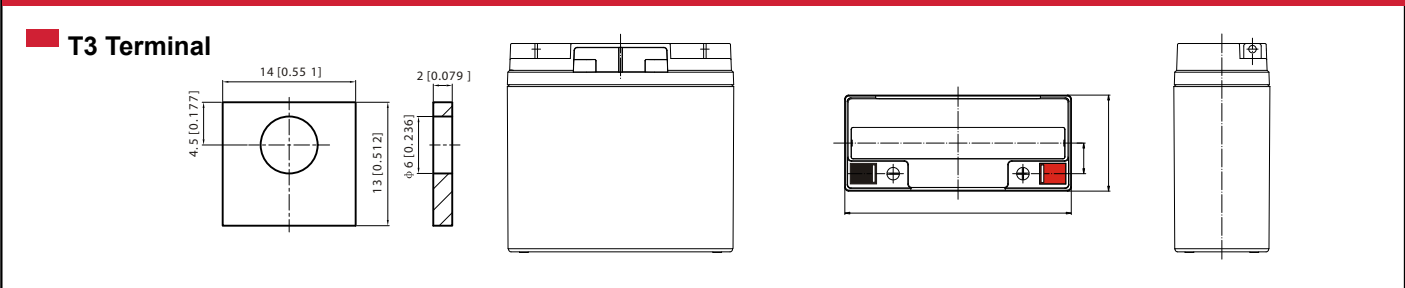
Physical Specification

Part Number:	CBL22-12
Length:	181 ± 2 mm (5.95 inches)
Width:	77 ± 2 mm (3.85 inches)
Container Height:	167 ± 2 mm (3.74 inches)
Total Height (with terminal):	167 ± 2 mm (3.98 inches)
Approx Weight:	Approx 6.4kg

Specifications

	Nominal Voltage	12V
	Nominal Capacity (20HR)	22AH
Terminal Type	Standard Terminal	T3
	Optional Terminal	T12
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	22.0 AH	(20hr, 1.80V/cell, 25°C / 77°F)
	20.9 AH	(10hr, 1.80V/cell, 25°C / 77°F)
	18.7 AH	(5hr, 1.75V/cell, 25°C / 77°F)
	13.2 AH	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	300A (5s)	
Internal Resistance	Approx 15mΩ	
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 6.0A. Voltage 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.5V ~ 13.8V at 25°C (77°F) Temp. Coefficient -20mV/°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	5 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



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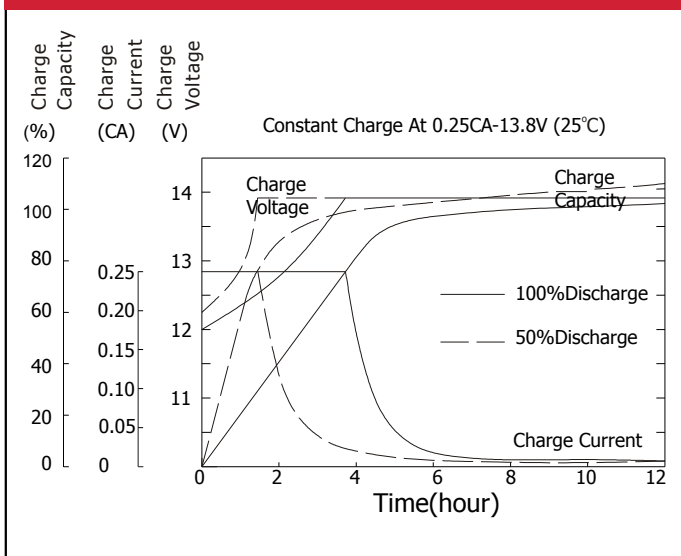
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	86.7	53.2	40.4	24.6	13.2	6.86	4.05	2.24	1.20
1.67 V	80.5	51.0	39.1	23.6	13.1	5.81	3.96	2.20	1.16
1.70 V	74.4	48.8	37.9	21.4	12.6	5.52	3.87	2.15	1.14
1.75 V	73.5	47.5	36.7	20.4	12.3	5.36	3.74	2.11	1.12
1.80 V	65.1	45.3	33.3	18.9	11.5	5.24	0.69	2.08	1.11
1.85 V	57.6	43.0	29.8	17.3	11.1	5.15	0.66	2.04	1.10

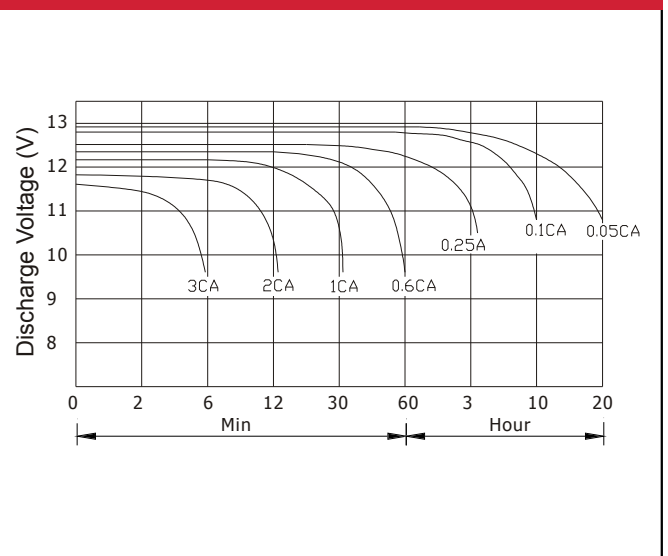
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	176.0	114.4	88.0	51.4	28.6	11.1	7.57	4.27	2.24
1.67 V	170.3	111.8	86.7	50.2	28.3	11.1	7.53	4.27	2.24
1.70 V	163.2	110.0	84.5	49.3	28.0	11.00	7.53	4.22	2.20
1.75 V	153.6	105.6	81.8	48.0	27.5	10.9	7.49	4.22	2.20
1.80 V	133.3	97.68	78.3	46.6	26.7	10.7	7.39	4.14	2.16
1.85 V	125.8	90.64	74.8	44.4	20.0	10.5	7.30	4.14	2.16

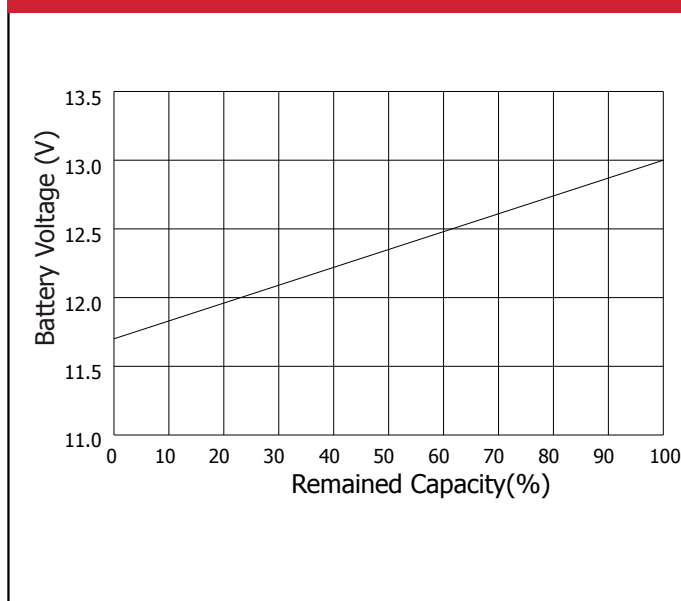
Charge Characteristics



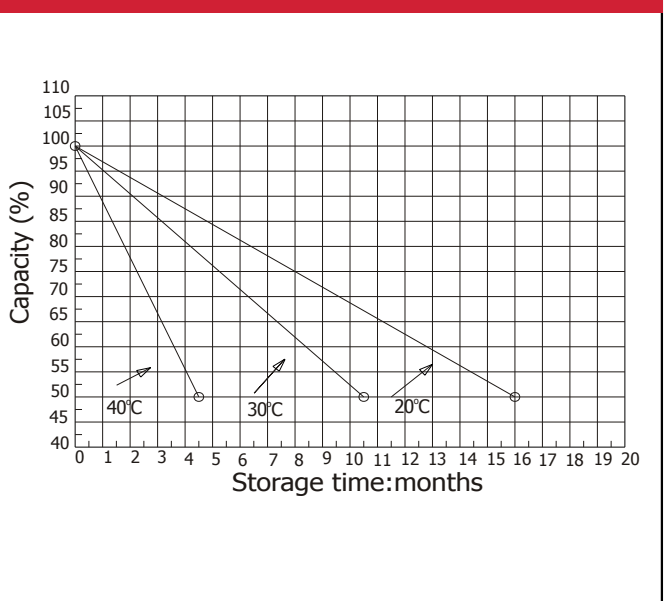
Discharge Characteristics at 25 °C



Relationship of OCV and the state of charge



Self Discharge Characteristics



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