CBL30-12

12V 30AH

General Purpose Sealed Lead Acid Battery



## CBL30-12



# **Physical Specification**

Part Number:	CBL30-12
Length:	195 ± 2 mm ( 7.68 inches)
Width:	130 ± 2 mm ( 5.12 inches)
Container Height:	164 ± 2 mm ( 6.46 inches)
Total Height (with terminal):	178 ± 2 mm ( 7.01 inches)
Approx Weight:	9.7 Kg (21.4 lbs)

## **Specifications**

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	Nominal Voltage	12V
	(C20 ,1.75V/cell)	30AH
Terminal Option	Т5	
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(20hr,1.50A,1.75V/cell)	30.0 Ah
	(10hr,2.84A,1.75V/cell)	28.4 Ah
	(5hr,5.16A,1.75V/cell)	25.8 Ah
	(3hr,7.55A,1.75V/cell)	22.7 Ah
	(1hr,19.1A,1.60V/cell)	19.1 Ah
Max Discharge Current (5s)	450A	
Internal Resistance	Approx. 13mΩ	
Discharge Characteristics		Discharge: -15°C~50°C (5°F~122°F)
	Operating Temp. Range	Charge: -20~40°C (-4~104°F)
		Storage: -15°C~40°C (5°F~104°F)
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)
	Cycle Use	Initial Charging Current less than 9.0A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	Self Discharge	Initial Charging Current less than 9.0A. Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
		40°C (104°F) 103%
	Capacity affected by Temperature	25°C (77°F) 100%
		0°C (32°F) 86%
Design Floating Life at 20°C	20+ Years	
Self Discharge	Canbat Lead Acid AGM batteries may b charge is required. For higher temperate	be stored for up to 6 months at $25^{\circ}C$ (77°F) and then a refresh ures the time interval will be shorter. Self-discharge is less than 2%

## Dimensions

### T5 Terminal





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Constant Current Discharge (Amperes) at 25 °C (77°F )																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/ce	84.0	59.3	46.1	39.1	28.8	21.1	17.2	12.7	10.1	7.31	5.87	5.03	4.30	3.39	2.77	1.47
1.80V/ce	90.3	62.8	48.4	40.7	29.7	21.6	17.7	13.0	10.3	7.43	5.95	5.10	4.37	3.44	2.81	1.48
1.75V/ce	95.1	65.3	50.0	41.8	30.5	22.1	18.0	13.2	10.4	7.55	6.03	5.16	4.42	3.48	2.84	1.50
1.70V/ce	99.6	68.0	51.7	43.0	31.2	22.6	18.4	13.5	10.6	7.66	6.11	5.23	4.47	3.51	2.87	1.51
1.67V/ce	I 103.1	69.9	52.9	43.9	31.8	22.9	18.6	13.6	10.7	7.73	6.17	5.28	4.51	3.54	2.89	1.52
1.60V/ce	l 109.4	72.8	54.8	45.2	32.7	23.5	19.1	13.9	10.9	7.88	6.28	5.36	4.58	3.59	2.92	1.54

Constant Power Discharge (Watts/cell) at 25 °C (77°F )																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	158.8	112.8	88.3	75.4	55.7	40.8	33.5	24.8	19.7	14.4	11.6	9.92	8.51	6.72	5.51	2.93
1.80V/cel	169.2	118.7	92.1	78.0	57.2	41.8	34.3	25.3	20.0	14.6	11.7	10.1	8.64	6.81	5.58	2.97
1.75V/cell	176.3	122.6	94.6	79.7	58.4	42.5	34.8	25.7	20.3	14.8	11.8	10.2	8.72	6.88	5.63	3.00
1.70V/cell	182.8	126.7	97.2	81.6	59.6	43.3	35.4	26.0	20.6	15.0	12.0	10.3	8.81	6.95	5.68	3.02
1.67V/cel	187.6	129.5	99.3	83.1	60.5	43.9	35.8	26.3	20.8	15.1	12.1	10.4	8.89	7.00	5.72	3.05
1.60V/cel	195.2	133.3	102.0	85.1	61.8	44.7	36.5	26.8	21.1	15.3	12.3	10.5	8.99	7.09	5.79	3.08



#### Valve-Regulated Sealed Lead Acid Batteries

Sealed lead acid batteries are engineered to provide reliable power in a compact design. They are spill-proof and require zero maintenance, as adding water is never necessary. The acid in the battery is suspended in a glass mat separator, which makes the cells leak-proof during normal battery operation. Our batteries are proudly designed in Canada with quality and performance in mind, offering one of the highest cycle life among other sealed lead acid battery brands. Canbat AGM batteries are manufactured with pure lead to ensure a low self-discharge rate of less than 2%, meaning stored batteries are only required a recharge once every six months. The series also features an outer container made from ABS material.



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**Float Charging Characteristics** 



Charging Voltage

5.00

#### Cycle Life Relation o Depth of Discharge





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