**General Purpose Sealed Lead Acid Battery** 



## CBL40-12



## **Physical Specification**

Part Number: CBL40-12

Length: 197 ±2 mm (7.76 inches)

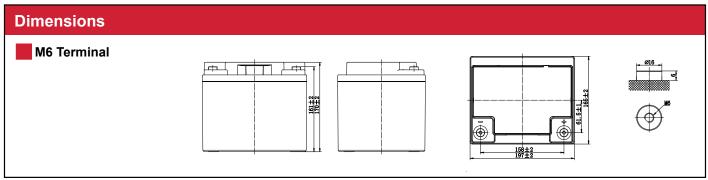
Width:  $165 \pm 2 \text{ mm} (6.50 \text{ inches})$ 

Container Height: 170 ± 2 mm (6.69 inches)

Total Height (with terminal): 170 ± 2 mm (6.69 inches)

Approx Weight: 13.2 Kg (29.1 lbs)

Specifications										
	Nominal Voltage	12V 40AH								
	(C20 ,1.75V/cell)									
Terminal Option	М6									
Container Material	Standard Option	ABS								
	Flame Retardant Option (FR)	ABS (UL94:VO)								
Rated Capacity	(20hr,2.00A,1.80V/cell)	40.0 Ah								
	(10hr,3.80A,1.80V/cell)	38.0 Ah								
	(5hr,6.52A,1.75V/cell)	32.6 Ah								
	(3hr,9.74A,1.75V/cell)	29.2 Ah								
	(1hr,24.0A,1.60V/cell) 24.0 Ah									
Max Discharge Current (5s)	380A	·								
Internal Resistance	Approx. 10.0mΩ									
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 11.4A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C								
	Self Discharge	Initial Charging Current less than 11.4A. 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		be stored for up to 6 months at 25°C (77°F) and then a refresh atures the time interval will be shorter. Self-discharge is less than 2								

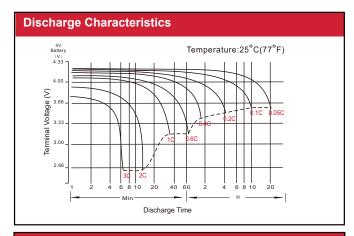


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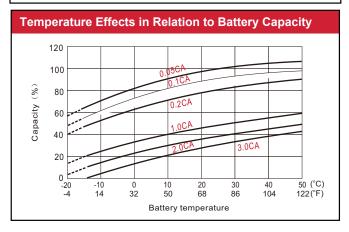
Constant Current Discharge (Amperes) at 25 °C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	87.0	61.8	57.7	45.6	34.6	25.1	18.9	14.7	11.8	8.66	7.08	5.92	5.47	4.17	3.49	1.83
1.80V/cell	98.9	70.2	64.5	51.0	38.7	26.6	20.9	16.1	12.8	9.50	7.63	6.37	5.87	4.47	3.80	2.00
1.75V/cell	107.4	76.1	68.9	54.4	41.3	27.5	21.6	16.6	13.2	9.74	7.82	6.52	5.92	4.55	3.84	2.02
1.70V/cell	114.9	81.2	72.4	57.2	43.5	28.1	22.4	17.2	13.7	9.92	8.02	6.66	5.95	4.63	3.88	2.04
1.67V/cell	118.9	83.7	73.6	58.1	44.1	28.5	22.9	17.5	13.8	10.1	8.13	6.74	5.98	4.68	3.91	2.05
1.60V/cell	123.1	86.6	74.6	59.0	44.8	28.9	24.0	18.3	14.4	10.4	8.36	6.95	6.02	4.79	3.96	2.08

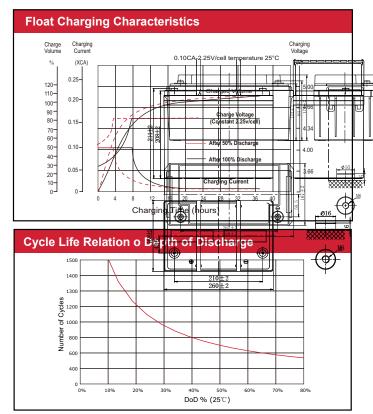
Constant Power Discharge (Watts/cell) at 25 °C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	159.5	114.2	102.7	81.2	61.7	45.3	40.0	28.4	22.7	17.4	13.8	11.5	10.4	8.16	6.86	3.60
1.80V/cell	178.4	127.8	114.9	90.8	69.0	47.7	43.8	30.9	24.6	18.6	14.7	12.4	11.1	8.71	7.28	3.82
1.75V/cell	190.4	136.4	122.6	96.8	73.5	49.1	45.1	31.7	25.3	19.0	15.1	12.6	11.1	8.88	7.39	3.88
1.70V/cell	200.2	143.4	128.9	101.9	77.4	49.7	46.4	32.6	26.0	19.6	15.4	12.8	11.2	8.98	7.49	3.93
1.67V/cell	203.4	145.7	131.0	103.5	78.6	50.2	47.1	33.1	26.2	19.9	15.6	13.0	11.2	9.09	7.54	3.96
1.60V/cell	206.3	147.7	132.9	105.0	79.7	50.4	48.9	34.2	27.2	20.4	15.9	13.3	11.2	9.28	7.66	4.03

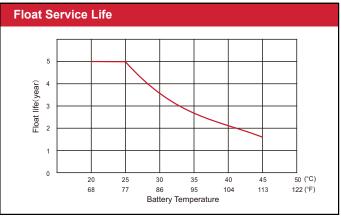


## Valve-Regulated Sealed Lead Acid Batteries

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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