

CHR38-12 CANBAT Maintenance-free Sasied Lead-acid Battery Mainten

Physical Specification

Part Number: CHR38-12

Length: 197±1mm (7.76 inches)

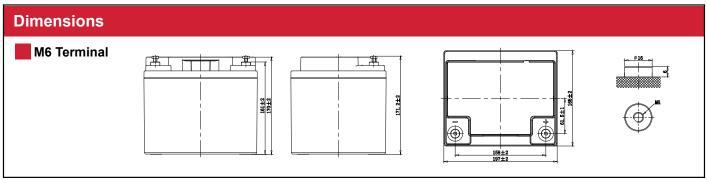
Width: **165±1mm (6.50 inches)**

Container Height: 170±1mm (6.69 inches)

Total Height (with terminal): 170±1mm (6.69 inches)

Approx Weight: 11.6 Kg (25.57 lbs)

Specifications								
	Nominal Voltage	12V						
	Nominal Rate (W ,1.67V/cell)	120W						
	Nominal Capacity (C10,1.80V/cell)	38Ah						
	Technology	High Rate Discharge						
	Terminal Type	M6						
Container Material	Flame Retardant (FR)	ABS (UL94:VO)						
Rated Capacity (25°C)	(10hr, 3.80A,1.80V/cell)	38.0 Ah						
	(8hr, 4.41A,1.80V/cell)	35.3 Ah						
	(5hr, 6.69A,1.75V/cell)	33.5 Ah						
	(3hr, 10.1A,1.75V/cell)	30.3 Ah						
	(1hr, 24.5A,1.67V/cell) 24.5 Ah							
Max Currents (5s)	500A	<u> </u>						
Internal Resistance	Approx. 10.0mΩ							
Discharge Characteristics		Discharge: -20°C~55°C (-4°F~131°F)						
	Operating Temp. Range	Charge: 0°C~40°C (32°F~104°F)						
		Storage: -15°C~50°C (5°F~122°F)						
	Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)						
	Max.Charging Current(25 C)	9.5A						
		Float 13.5V						
	Charge voltage(25 C)	Temp. Coefficient -3m V/cell/ C						
		Equalization 14 .1~14.4V						
		40°C (104°F) 106%						
	Effect of temperature on Capacity	25°C (77°F) 100%						
		0°C (32°F) 86%						
Design Floating Life at 20°C	20+ Years	-						
Self Discharge		ored for up to 6 months at 25°C (77°F) and then a refresh char ne time interval will be shorter. Self-discharge is less than 2%						

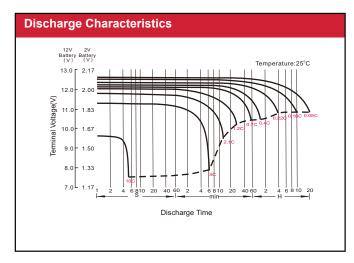


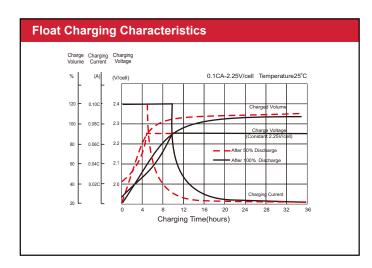
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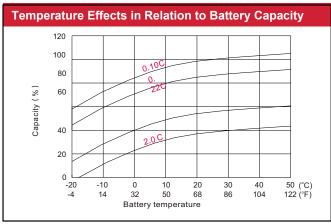


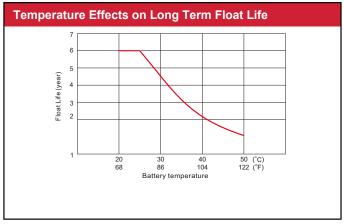
Constant Current Discharge (Amperes) at 25 °C (77°F)														
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	71.8	57.3	49.7	39.1	27.6	26.8	21.0	15.6	12.6	9.35	7.40	6.26	4.32	3.70
1.80V/cell	81.6	65.1	56.3	44.2	31.1	28.4	22.4	16.6	13.3	9.79	7.67	6.50	4.41	3.80
1.75V/cell	88.7	70.6	61.0	47.7	33.4	29.6	23.3	17.2	13.8	10.1	7.92	6.69	4.46	3.82
1.70V/cell	94.8	75.2	64.7	50.6	35.4	30.5	23.9	17.7	14.1	10.3	8.12	6.84	4.53	3.84
1.67V/cell	98.1	77.6	66.6	52.0	36.3	31.3	24.5	18.1	14.5	10.6	8.22	6.93	4.58	3.90
1.60V/cell	101.6	80.3	68.7	53.3	37.2	31.9	24.9	18.5	14.8	10.8	8.41	7.07	4.60	3.92

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	8h	10h
1.85V/cell	134.1	107.8	94.1	74.3	52.7	51.6	40.7	30.3	24.4	18.3	14.5	12.3	8.58	7.35
1.80V/cell	150.0	120.6	105.2	83.1	58.9	54.3	43.0	32.0	25.7	19.0	15.0	12.8	8.73	7.55
1.75V/cell	160.1	128.7	112.3	88.7	62.9	56.1	44.6	33.1	26.6	19.6	15.4	13.1	8.80	7.57
1.70V/cell	168.3	135.3	118.1	93.3	66.1	57.5	45.5	33.8	27.1	20.0	15.7	13.3	8.92	7.61
1.67V/cell	171.0	137.5	120.0	94.8	67.2	58.7	46.4	34.4	27.7	20.3	15.9	13.5	9.00	7.72
1.60V/cell	173.4	139.4	121.7	96.1	68.1	59.2	46.9	34.8	28.0	20.7	16.2	13.7	9.03	7.75









High Rate Batteries

The most important asset for many businesses is data. Whether it's customer data, employee data or financial data, no business can afford to lose it. Unfortunately, unexpected power interruptions may lead to a loss of data, which could potentially cost thousands of dollars. To solve this issue, Canbat has developed the highest performing high rate batteries, which are specially designed for back-up power systems. Our batteries have a proven track record to be the most reliable in the industry, backed up with the best warranty in Canada. In the event of a power outage, UPS systems provide back-up power to your equipment. The most important component in any UPS is the battery. Whether the UPS is hooked up to your personal computer at home, or to your equipment at work, Canbat offers top-performing batteries you can count on. If you don't have high performing batteries in your UPS during a power outage, you are putting yourself at risk of losing data. A power surge or blackout could erase hours of hard work and damage your equipment.

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