

CHR85-12

Physical Specification

Part Number: CHR85-12

Length: 293±1mm (11.53 inches)

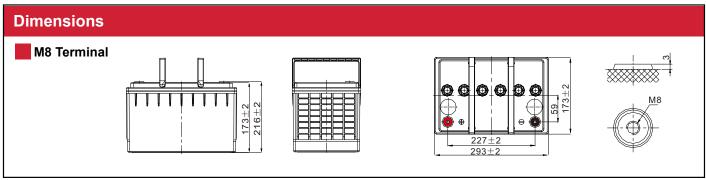
Width: 173±1mm (6.81 inches)

Container Height: 213±1mm (8.39 inches)

Total Height (with terminal): 216±1mm (8.50 inches)

Approx Weight: 26.8 Kg (59.08 lbs)

Specifications									
	Nominal Voltage	12V							
	Nominal Rate (W ,1.67V/cell)	350W							
	Nominal Capacity (C10,1.80V/cell)	85Ah							
	Technology	High Rate Discharge							
	Terminal Type	M8							
Container Material	Flame Retardant (FR) ABS (UL94:VO)								
Rated Capacity (25°C)	(10hr, 8.50A,1.80V/cell)	85.0 Ah							
	(8hr, 10.1A,1.80V/cell)	80.8 Ah							
	(5hr, 14.2A,1.75V/cell)	71.0 Ah							
	(3hr, 20.2A,1.75V/cell)	60.6 Ah							
	(1hr, 53.2A,1.67V/cell) 53.2 Ah								
Max Currents (5s)	1350A								
Internal Resistance	Approx. 5.0mΩ								
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)	21.25A							
		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 charge ne time interval will be shorter. Self-discharge is less than 2%							

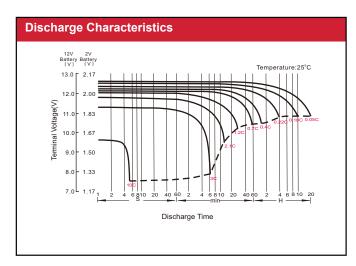


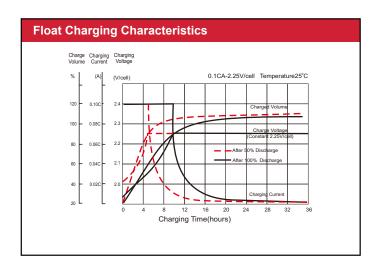
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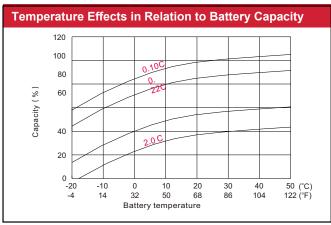


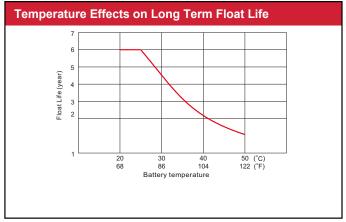
		Co	nstan	t Curr	ent Di	schar	ge (Ar	npere	s) at 2	5 °C (7	7°F)			
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	258.3	178.4	140.5	100.9	73.7	52.9	41.7	29.5	24.5	18.2	15.2	13.3	9.88	8.34
1.80V/cell	291.4	208.3	165.3	110.2	79.3	57.2	45.1	31.8	26.1	19.4	16.0	13.8	10.1	8.50
1.75V/cell	306.4	221.5	176.7	119.3	85.2	60.7	47.8	33.7	27.4	20.2	16.3	14.2	10.3	8.58
1.70V/cell	315.2	230.4	188.0	133.2	93.8	65.6	50.9	35.8	28.3	20.7	16.8	14.4	10.5	8.67
1.67V/cell	326.4	238.6	190.9	144.3	100.2	69.0	53.2	37.4	29.1	21.2	17.2	14.7	10.6	8.75
1.60V/cell	346.8	243.8	193.8	151.2	101.0	70.0	53.9	37.9	29.8	21.6	17.6	15.0	10.8	8.84

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	443.3	368.0	292.7	196.5	149.4	112.5	90.9	67.2	55.3	42.2	34.7	29.5	20.9	17.6
1.	.80V/ceII	501.0	410.1	326.2	222.9	165.0	122.1	97.7	72.4	59.7	45.2	36.7	31.2	21.8	18.4
1.	.75V/cell	540.0	428.0	340.5	241.0	175.9	128.8	102.8	75.6	62.0	46.6	37.9	32.2	22.3	18.6
1.	.70V/ceII	573.9	433.3	344.7	259.2	185.1	134.7	107.4	78.2	63.6	47.9	38.9	32.8	22.5	18.7
1.	.67V/ceII	595.0	440.0	350.0	276.1	195.7	140.8	112.1	81.0	65.4	49.3	39.9	33.4	22.8	18.9
1.	.60V/cell	603.5	449.5	362.0	286.2	202.5	146.5	116.6	83.5	66.8	50.3	40.4	33.8	23.0	19.0









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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