

# CFT200-12

12V 200AH

Front Terminal Battery



## CFT200-12



## Physical Specification

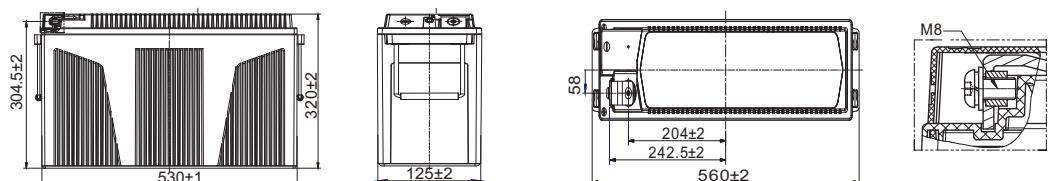
Part Number:	<b>CFT200-12</b>
Length:	<b>560 ± 2 mm ( 22.05 inches)</b>
Width:	<b>125 ± 2 mm ( 4.92 inches)</b>
Container Height:	<b>320 ± 2 mm ( 12.60 inches)</b>
Total Height (with terminal):	<b>320 ± 2 mm ( 12.60 inches)</b>
Approx Weight:	<b>59.5 Kg (131.1 lbs)</b>

## Specifications

	Nominal Voltage	12V	
	(C10,1.80V/cell)	200AH	
<b>Terminal Option</b>	M8		
<b>Container Material</b>	Standard Option	ABS	
	Flame Retardant Option (FR)	ABS (UL94:VO)	
<b>Rated Capacity</b>	(20hr,10.5A,1.80V/cell)	210.0 Ah	
	(10hr,20.0A,1.80V/cell)	200.0 Ah	
	(8hr,24.4A,1.75V/cell)	195.2 Ah	
	(5hr,35.0A,1.75V/cell)	175.0 Ah	
	(1hr,118.1A,1.67V/cell)	118.1 Ah	
<b>Max Discharge Current (5s)</b>	2000A		
<b>Internal Resistance</b>	Approx. 3.0mΩ		
<b>Discharge Characteristics</b>	Operating Temp. Range	Discharge: -15°C~50°C (5°F~122°F)	
		Charge: 0°C~40°C (32°F~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 60.0A. Voltage 14.1V~14.4V at 25°C (77°F) Temp. Coefficient -30mV/°C	
	Standby Use	Initial Charging Current less than 60.0A. 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%	
<b>Design Floating Life at 20°C</b>	12+ Years		
<b>Self Discharge</b>	Canbat Front Terminal 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. Self-discharge is less than 2%		

## Dimensions

### M8 Terminal



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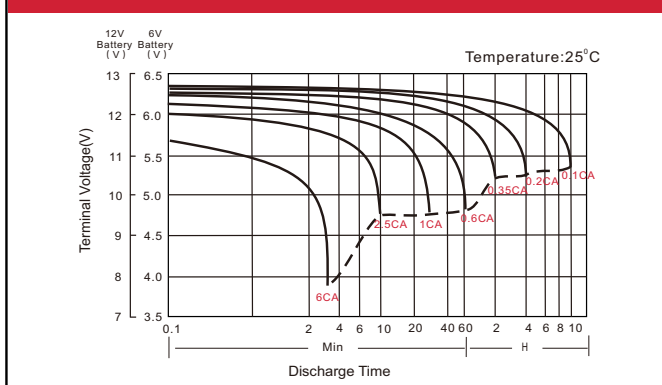
### Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	287.5	256.2	226.7	185.7	143.2	97.3	63.3	47.7	38.0	31.8	28.7	22.4	18.7	9.80
1.80V/cell	334.0	298.0	252.9	199.6	151.4	107.6	68.8	51.6	41.0	34.2	29.5	23.7	20.0	10.5
1.75V/cell	368.6	315.2	269.6	207.6	156.1	111.3	70.9	53.0	42.0	35.0	29.9	24.4	20.3	10.7
1.70V/cell	392.5	333.1	280.4	214.7	159.1	115.7	73.2	54.6	43.1	35.8	30.3	24.9	20.6	10.8
1.67V/cell	410.4	343.6	286.3	219.1	162.5	118.1	74.4	55.4	43.7	36.2	30.6	25.1	20.8	10.9
1.60V/cell	428.3	368.0	294.7	223.5	164.9	123.9	77.5	57.4	45.1	37.4	30.9	25.7	21.3	11.2

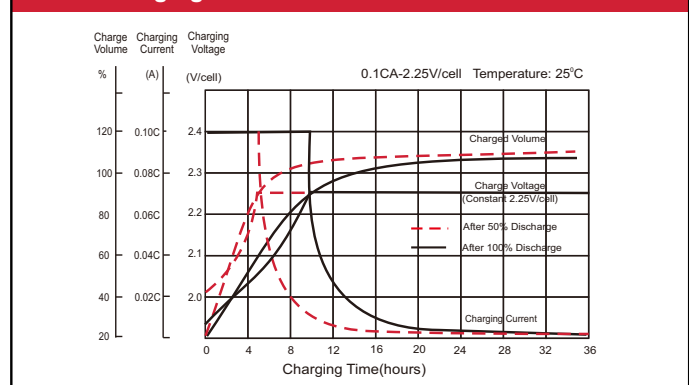
### Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	536.8	491.0	431.8	357.7	278.0	188.6	123.3	93.3	74.5	62.4	57.1	44.2	37.0	19.8
1.80V/cell	616.5	565.0	474.8	378.7	291.7	207.3	133.5	100.6	80.0	67.0	58.3	46.6	40.0	21.0
1.75V/cell	669.5	591.5	501.3	390.5	298.1	212.9	136.8	102.8	81.7	68.3	59.0	48.0	40.0	21.2
1.70V/cell	696.9	618.1	517.4	401.8	302.5	219.8	140.5	105.3	83.5	69.7	59.7	48.7	40.5	21.4
1.67V/cell	725.8	639.2	526.3	409.1	308.1	223.3	142.3	106.6	84.5	70.4	60.1	49.2	40.8	21.5
1.60V/cell	736.6	666.4	534.0	411.9	309.2	231.9	147.2	109.9	86.8	72.2	60.4	50.2	41.6	21.9

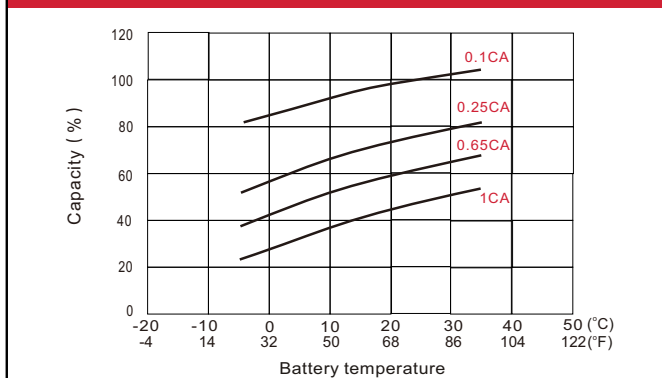
### Discharge Characteristics



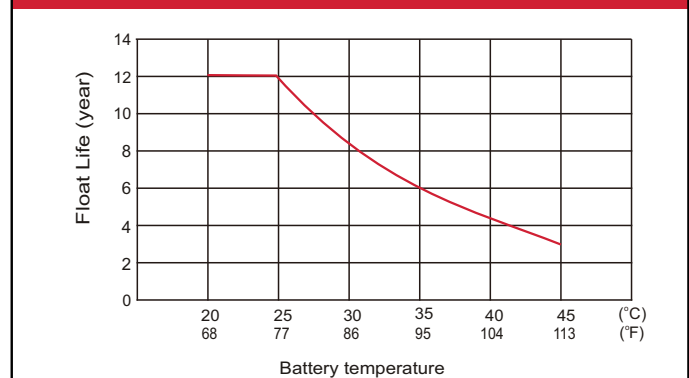
### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Float Service Life



### Front Terminal Battery Features

- Front terminal design
- Absorbent Glass Mat (AGM)
- Short recharging time
- Spill-free / Spill-proof
- High power and volume ratio
- High reliability
- Oxygen recombination technology
- Unrivalled energy density
- Rechargeable lead acid battery
- Alloy plate grid
- Valve regulated
- Optimum quality
- Low self-discharge rate
- Extremely safe operations
- Developed in Canada