

CFT150-12

12V 150AH

Front Terminal Battery



CFT150-12



Physical Specification

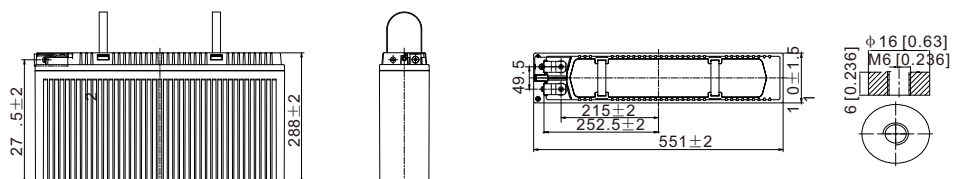
Part Number:	CFT150-12
Length:	551 ±2 mm (21.7 inches)
Width:	110 ±2 mm (4.33 inches)
Container Height:	288 ±2 mm (11.3 inches)
Total Height (with terminal):	288 ±2 mm (11.3 inches)
Approx Weight:	46.0 Kg (109.1 lbs)

Specifications

	Nominal Voltage	12V
	(C10,1.80V/cell)	150AH
Terminal Option	M6	
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(20hr,7.88A,1.80V/cell)	157.6 Ah
	(10hr,15.0A,1.80V/cell)	150.0 Ah
	(8hr,18.3A,1.75V/cell)	146.4 Ah
	(5hr,26.3A,1.75V/cell)	131.5 Ah
	(1hr,96.0A,1.67V/cell)	96.0 Ah
Max Discharge Current (5s)	1500A	
Internal Resistance	Approx. 4.0 mΩ	
Discharge Characteristics	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 45.0A. Voltage 14.1V~14.4V at 25°C (77°F) Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 45.0A. Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
	Capacity affected by Temperature	40°C (104°F)
25°C (77°F)		100%
0°C (32°F)		86%
Design Floating Life at 20°C	12+ Years	
Self Discharge	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

M6 Terminal



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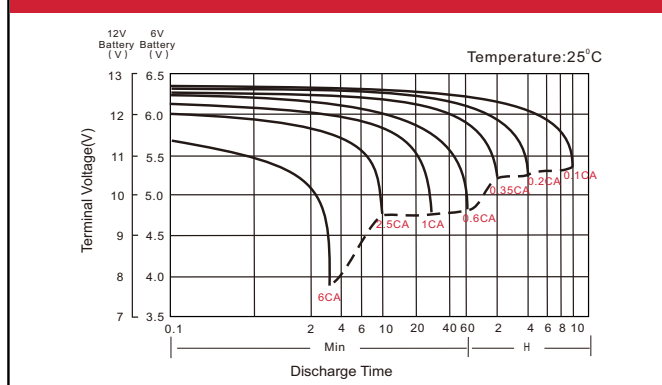
Constant Current Discharge (Amperes) at 25 °C (77 °F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	217.0	194.1	169.9	125.4	106.1	79.0	47.4	35.8	28.5	23.8	21.7	16.8	14.1	7.38
1.80V/cell	252.0	225.7	188.6	141.7	112.0	87.5	51.6	38.7	30.7	25.7	22.2	18.0	15.0	7.88
1.75V/cell	278.2	238.8	201.2	148.1	116.0	90.7	53.2	39.8	31.5	26.3	22.6	18.3	15.2	8.00
1.70V/cell	296.2	252.4	208.8	154.7	118.4	94.0	54.9	40.9	32.3	26.8	22.9	18.7	15.5	8.12
1.67V/cell	309.6	260.3	214.6	158.6	121.0	96.0	55.8	41.5	32.7	27.2	23.2	18.8	15.6	8.19
1.60V/cell	323.2	279.0	219.6	167.6	122.9	100.7	58.1	43.1	33.8	28.0	23.3	19.3	15.9	8.37

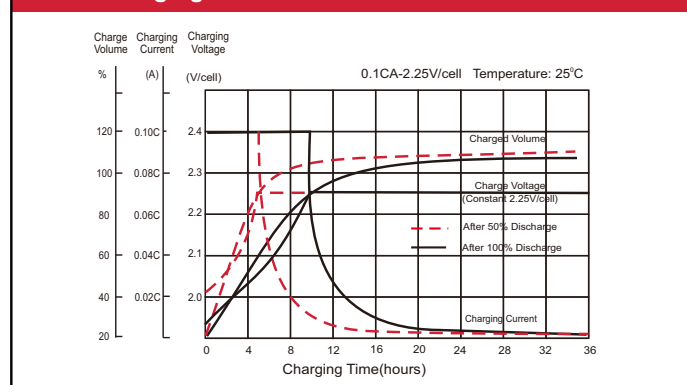
Constant Power Discharge (Watts/cell) at 25 °C (77 °F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	405.0	372.9	323.6	242.3	206.0	153.6	92.7	70.2	56.0	46.9	43.1	33.2	27.8	15.0
1.80V/cell	465.1	429.1	354.1	271.7	215.9	168.9	100.4	75.6	60.2	50.4	44.0	35.5	29.6	15.8
1.75V/cell	505.1	449.2	374.2	281.5	221.4	173.9	102.9	77.3	61.5	51.4	44.5	36.1	30.1	16.0
1.70V/cell	525.7	469.4	385.4	291.3	225.2	179.0	105.6	79.2	62.8	52.4	45.0	36.6	30.5	16.2
1.67V/cell	547.6	485.5	394.4	297.0	229.4	181.9	107.0	80.1	63.5	52.9	45.4	37.0	30.7	16.3
1.60V/cell	555.7	506.5	397.9	309.8	230.4	188.9	110.7	82.6	65.3	54.3	45.6	37.7	31.3	16.6

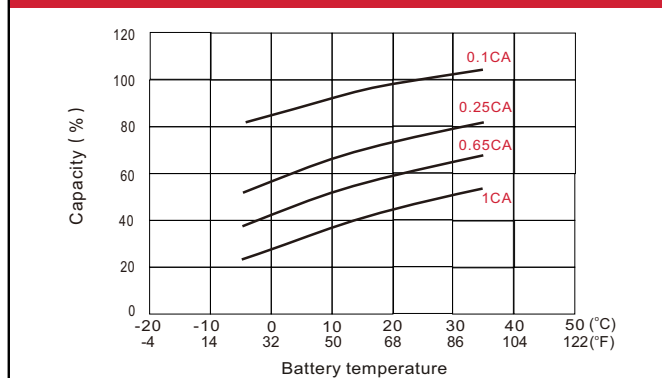
Discharge Characteristics



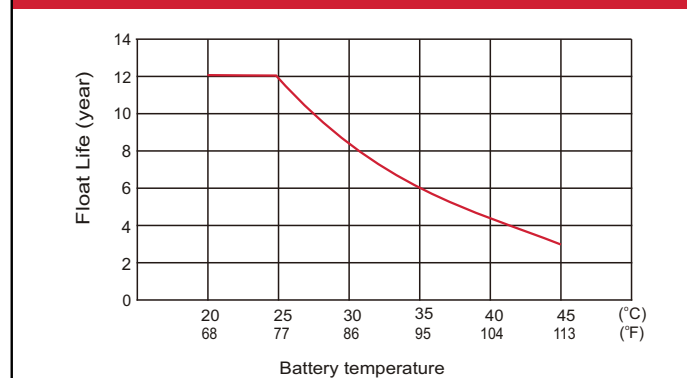
Float Charging Characteristics



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

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