

# CFT150-12L

12V 150AH

Front Terminal



## CFT150-12L

Awaiting Image

## Physical Specification

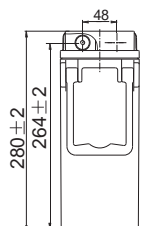
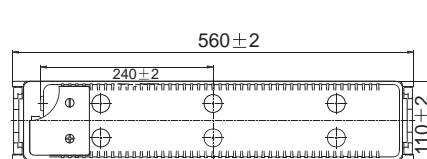
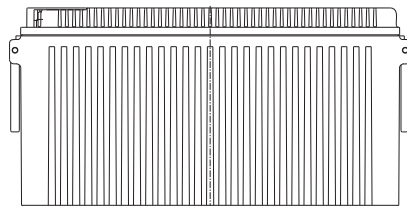
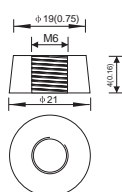
Part Number	CFT150-12L
Length	560 ± 2 mm
Width	110 ± 2 mm
Container Height	280 ± 2 mm
Total Height (with terminal)	280 ± 2 mm
Approx Weight	46.0 kg

## Specifications

	Nominal Voltage	12V
	Nominal Capacity (10HR)	150AH
<b>Terminal Type</b>	Standard Terminal	T13
<b>Container Material</b>	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
<b>Rated Capacity</b>	20hr, 1.80V/cell, 25°C	165.0 AH/8.25A
	10hr, 1.80V/cell, 25°C	155.7 AH/15.57A
	5hr, 1.75V/cell, 25°C	130.5 AH/26.1A
	3hr, 1.75V/cell, 25°C	117.6AH/39.2A
	1hr, 1.60V/cell, 25°C	103.8 AH/103.8A
<b>Max Discharge Current</b>	1200A (5s)	
<b>Internal Resistance</b>	Approx 3.0m Ω	
<b>Discharge Characteristics</b>	Operating Temp. Range	Discharge: -15 ~ 50°C
		Charge: 0 ~ 40°C
		Storage: -15 ~ 40°C
	Nominal Operating Temp. Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 45.0A Voltage 14.4V ~ 15.0V Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.5V ~ 13.8V Temp. Coefficient -20mV/°C
Capacity affect by Temperature	40°C	103%
	25°C	100%
	0°C	86%
<b>Design Floating Life at 20°C</b>	12+ Years	
<b>Self Discharge</b>	Canbat 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.	

## Dimensions

### T13 Terminal



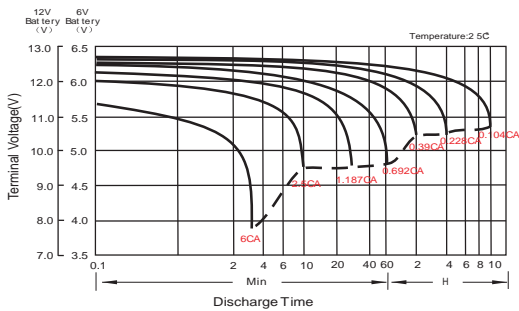
### Constant Current Discharge (Amperes) at 20°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	260.9	217.5	186.6	146.4	113.5	92.3	55.0	39.6	31.8	26.3	22.9	17.85	14.89	7.89
1.80V/cell	295.8	242.4	206.6	160.2	122.1	98.5	58.0	42.2	33.5	27.7	24.1	18.75	15.57	8.25
1.75V/cell	324.6	262.3	220.4	168.3	126.8	102.0	59.2	42.8	34.3	28.3	24.5	18.98	15.75	8.37
1.70V/cell	347.2	276.3	229.3	173.2	129.7	103.4	60.0	43.3	34.5	28.5	24.8	19.25	15.90	8.43
1.67V/cell	359.3	283.1	234.1	175.4	130.2	103.8	60.2	43.5	34.8	28.8	25.1	19.50	16.05	8.48
1.60V/cell	377.7	294.0	244.5	179.9	133.6	106.5	61.2	44.4	35.6	29.6	25.5	19.95	16.35	8.52

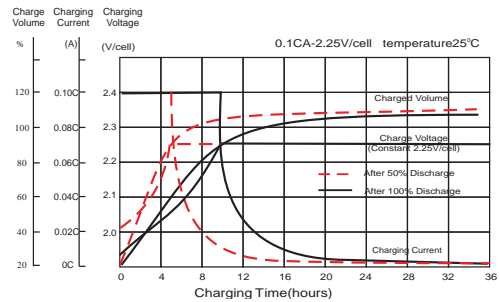
### Constant Power Discharge (Watts) at 20°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	487.1	410.2	355.5	281.9	220.4	179.8	108.0	78.0	62.8	52.2	45.5	35.6	29.8	15.78
1.80V/cell	545.8	451.0	387.8	303.8	235.3	190.9	113.1	82.6	65.8	54.6	47.6	37.3	31.1	16.48
1.75V/cell	589.5	482.2	409.9	316.6	242.0	196.8	114.9	83.5	67.2	55.7	48.2	37.6	31.4	16.70
1.70V/cell	616.5	500.9	423.2	324.1	246.7	198.8	116.2	84.2	67.5	55.8	48.7	38.1	31.7	16.81
1.67V/cell	635.4	511.2	430.2	327.6	246.8	199.2	116.4	84.5	67.9	56.4	49.2	38.6	31.9	16.88
1.60V/cell	649.5	520.3	443.1	331.5	250.5	202.4	117.3	85.7	69.0	57.6	49.9	39.4	32.5	16.95

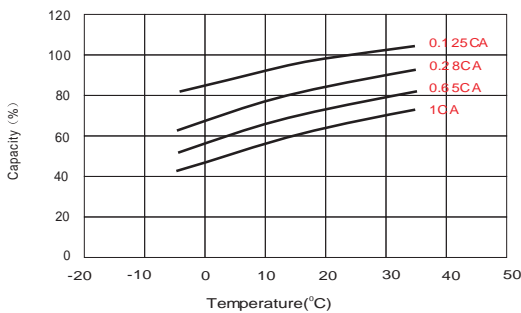
### Discharge Characteristics



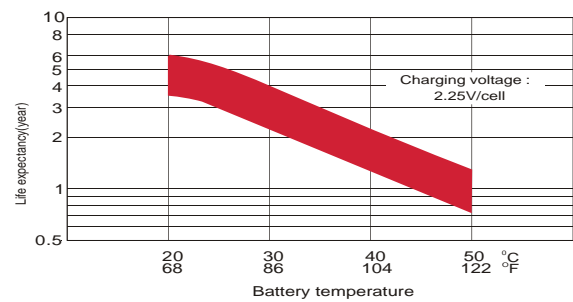
### Float Charging Characteristics



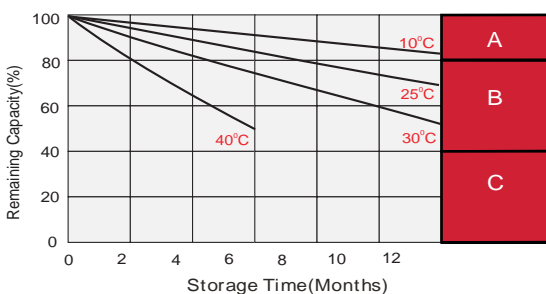
### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life



### Self Discharge Characteristics



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
  1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
  2. Charged for above 20hours at limited current 0.25CA and constant voltage 2.45V/cell.
  3. Charged for 8-10hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.