Celltech

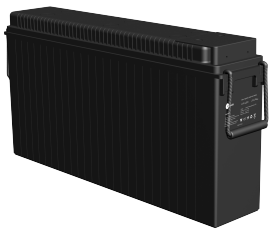
CT SERIES-General Purpose

CT12-150FT (12V150AH)

Specification

Code:460-6235

Nominal Voltage	12V
Nominal Capacity(10HR)	150.0AH
Dimension	Length 545±3mm (21.5 inches) Width 110±2mm (4.33 inches) Container Height 280±3mm (11.02 inches) Total Height (with Terminal) 280±3mm (11.02 inches)
Approx Weight	Approx 46.0 Kg (101.4 lbs)
Terminal	T13-A
Container Material	ABS
Rated Capacity	158.8 AH/7.94A (20hr ,1.80V/cell,25°C/77°F) 150.0 AH/15.0A (10hr,1.80V/cell,25°C/77°F) 142.4 AH/17.8A (8hr,1.80V/cell,25°C/77°F) 130.5 AH/26.1A (5hr,1.75V/cell,25°C/77°F) 97.5 AH/97.5A (1hr,1.67V/cell,25°C/77°F)
Max. Discharge Current	1200A (5s)
Internal Resistance	Approx 5.0 mΩ
Operating Temp.Range	Discharge : -15～50°C (5～122°F) Charge : 0～40°C (32～104°F) Storage : -15～40°C (5～104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 45.0A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current 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%
Self Discharge	CT series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.



Applications

- *For standard 19 inches or 23 inches power cabinets*
- *Network connection equipment of communication system*
- *Power system of special network or local area network*
- *UPS, standby power supply*
- *Power station systems*
- *Railway and marine systems*

VdS | Intertek ETL SEMKO MH26866 | ISO14001 | ISO9001 | CE RTS EMC tested

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	233.1	204.6	180.5	144.6	108.6	87.3	50.9	37.3	29.9	25.1	21.7	17.2	14.3	7.60
1.80V/cell	269.1	229.2	199.8	154.8	114.2	91.4	52.7	38.6	30.8	25.8	22.3	17.8	15.0	7.94
1.75V/cell	286.2	243.0	208.8	159.3	117.8	94.1	53.9	39.2	31.2	26.1	22.6	18.1	15.2	8.02
1.70V/cell	300.6	253.2	215.6	164.4	120.0	95.6	54.7	39.7	31.6	26.4	22.9	18.3	15.3	8.07
1.67V/cell	317.7	264.0	222.8	167.1	122.6	97.5	55.4	40.1	31.9	26.7	23.1	18.5	15.5	8.12
1.60V/cell	330.3	272.4	228.6	170.4	124.4	99.0	56.1	40.6	32.2	27.1	23.5	18.7	15.6	8.16

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

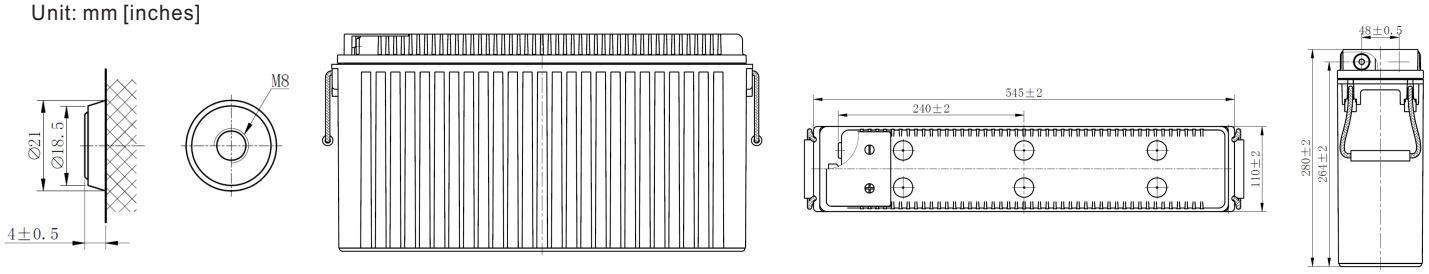
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	435.2	385.9	343.8	278.5	210.9	170.1	99.9	73.4	59.0	49.6	43.0	34.4	28.7	15.2
1.80V/cell	496.6	426.5	375.1	293.6	220.1	177.1	102.8	75.6	60.5	50.8	44.0	35.5	29.9	15.9
1.75V/cell	519.8	446.7	388.3	299.7	224.9	181.5	104.7	76.5	61.1	51.3	44.5	35.9	30.2	16.0
1.70V/cell	533.7	459.1	397.8	307.6	228.2	183.8	105.9	77.4	61.8	51.6	45.0	36.3	30.5	16.1
1.67V/cell	561.9	476.7	409.5	312.0	232.4	187.1	107.2	77.9	62.3	52.3	45.3	36.6	30.8	16.2
1.60V/cell	568.0	482.1	414.3	314.0	233.3	188.1	107.6	78.3	62.5	52.8	45.9	36.9	31.0	16.2

Specifications subject to change without notice.

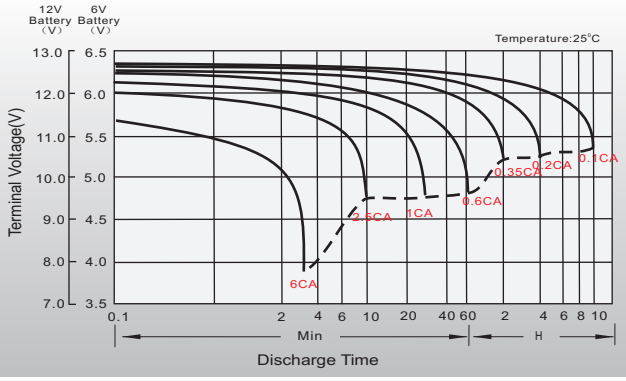
Dimensions

T13-A Terminal

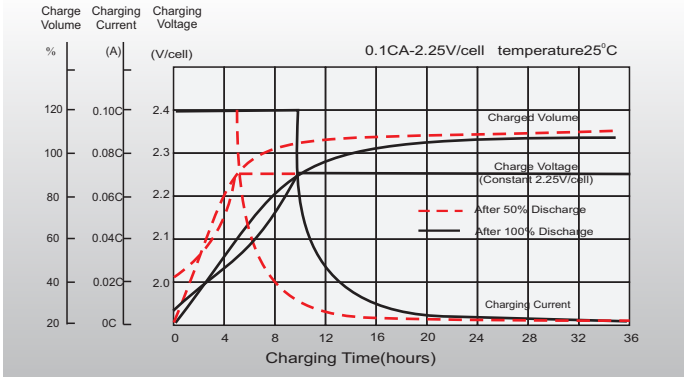
Unit: mm [inches]



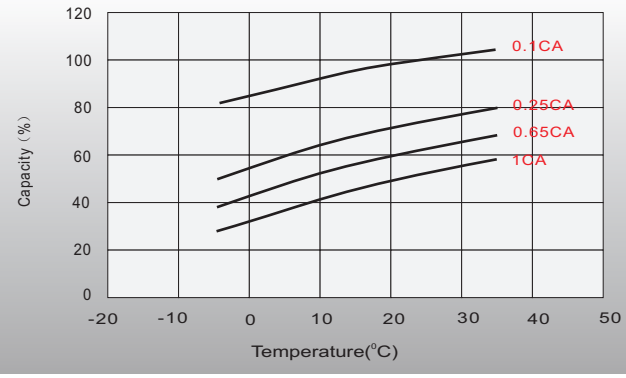
Discharge Characteristics



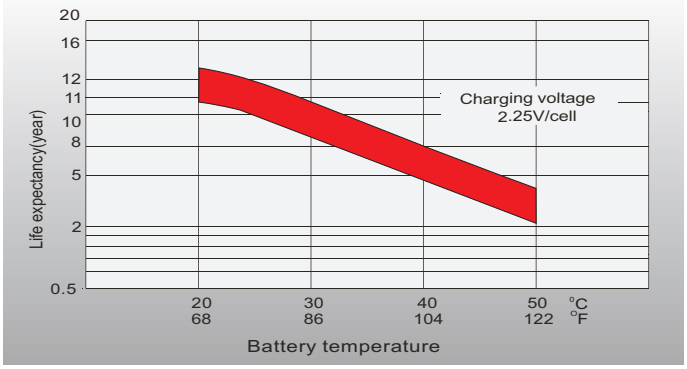
Float Charging Characteristics

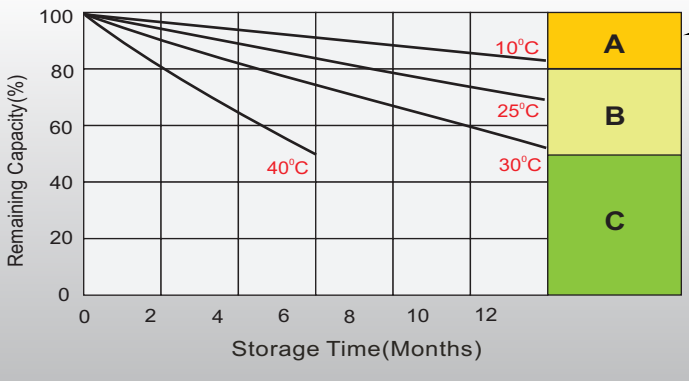


Temperature Effects in Relation to Battery Capacity



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 limted current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limted current 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10hours at limted current 0.05CA .

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

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