

Specification

Code:460-8636

Nominal Voltage	12V
Watts(15min Rate)	403.4Watts at 1.67V/cell
Dimension	Length 325.5±1mm (12.81inches)
	Width 170±1mm (6.69 inches)
	Container Height 213±2mm (8.39 inches)
	Total Height (with Terminal) 216±2mm (8.50 inches)
Approx Weight	Approx 31.4 kg (69.2lbs)
Terminal	T8
Container Material	ABS
Rated Capacity	95.5AH/9.55 A (10hr, 1.80V/cell, 25°C/77°F)
	92.8AH/11.6A (8hr, 1.75V/cell, 25°C/77°F)
	85.5AH/17.1 A (5hr, 1.75V/cell, 25°C/77°F)
	78.3AH/26.1A (3hr, 1.75V/cell, 25°C/77°F)
	71.9AH/71.9A (1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	1650A (5s)
Internal Resistance	Approx 3.6mΩ
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 30.0A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Standby Use	
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

- ◆ UPS (High rate)
- ◆ High power backup supply
- ◆ Emergency power supply
- ◆ Emergency lighting
- ◆ Electric starting

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	212.4	178.6	150.9	129.2	98.5	72.2	57.1	32.5	24.0	19.3	15.9	14.0	11.2	9.36	4.89
1.80V/cell	247.9	197.5	166.1	140.4	105.6	77.9	60.1	34.3	25.1	20.0	16.6	14.5	11.4	9.55	5.00
1.75V/cell	278.9	216.3	181.8	151.9	112.4	81.5	63.2	35.9	26.1	20.5	17.1	14.8	11.6	9.73	5.12
1.70V/cell	314.9	238.6	197.1	163.3	120.2	86.2	66.5	37.4	26.9	21.1	17.5	15.1	12.0	9.91	5.20
1.67V/cell	340.9	258.4	213.2	175.4	127.1	90.6	69.6	38.5	27.6	21.6	18.0	15.5	12.3	10.1	5.29
1.60V/cell	366.9	280.5	228.5	186.2	133.9	94.2	71.9	39.8	28.4	22.4	18.5	15.9	12.5	10.3	5.44

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

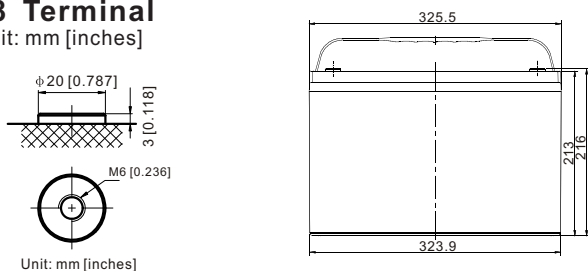
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	409.7	347.0	294.6	253.3	194.4	143.2	113.9	65.3	48.4	39.1	32.3	28.6	22.9	19.2	10.06
1.80V/cell	475.7	381.6	322.6	274.1	207.5	153.8	119.3	68.5	50.4	40.3	33.6	29.4	23.1	19.5	10.24
1.75V/cell	530.7	414.4	350.4	294.5	219.2	159.9	124.5	71.3	52.1	41.1	34.4	29.9	23.5	19.8	10.45
1.70V/cell	593.1	452.7	376.0	313.7	232.5	167.9	130.4	73.8	53.4	42.1	35.0	30.3	24.2	20.1	10.58
1.67V/cell	635.8	485.4	403.4	334.2	243.9	175.1	135.4	75.5	54.4	42.8	35.8	31.0	24.7	20.4	10.70
1.60V/cell	677.9	522.5	428.7	352.1	254.8	180.7	138.8	77.5	55.6	44.1	36.6	31.6	24.9	20.6	10.95

Specifications subject to change without notice.

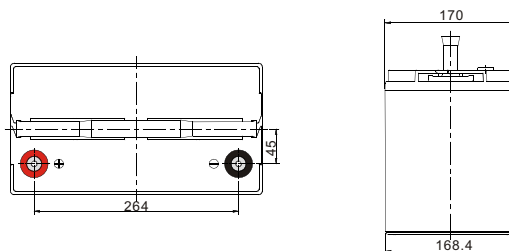
Dimensions

T8 Terminal

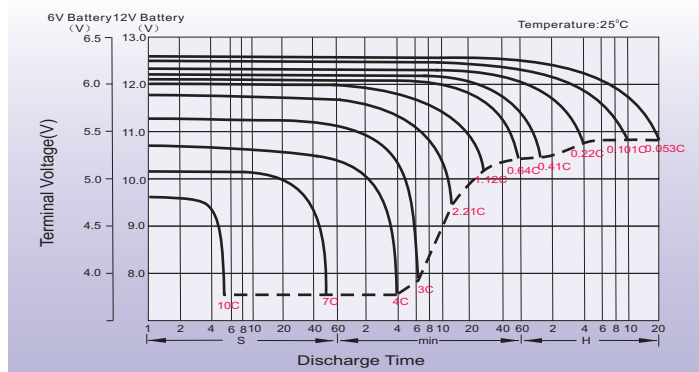
Unit: mm [inches]



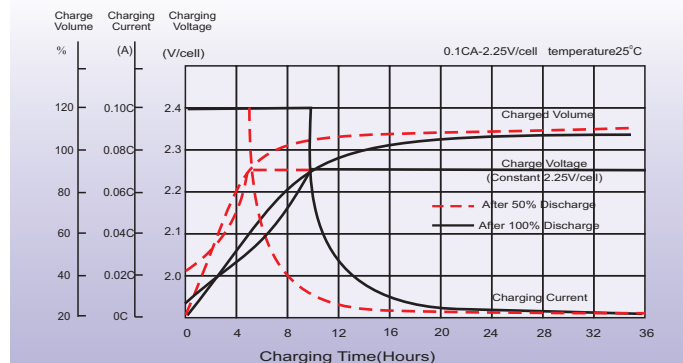
Unit: mm [inches]



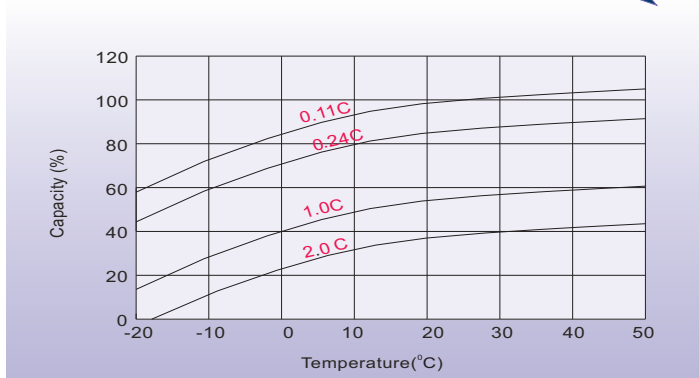
Discharge Characteristics



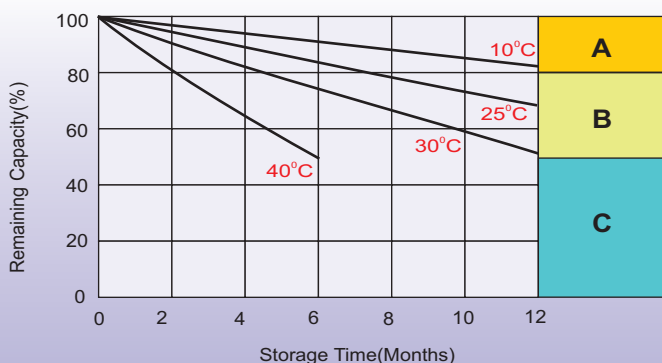
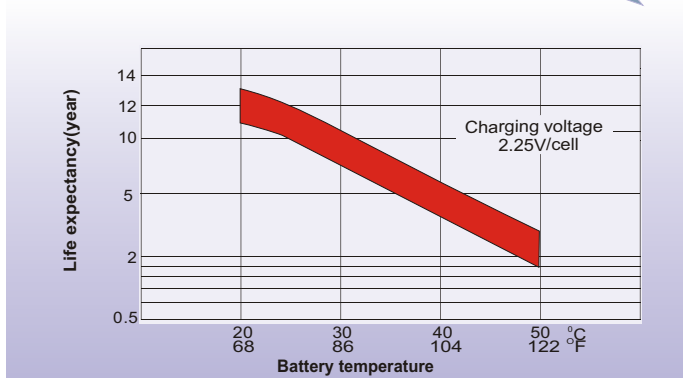
Float Charging Characteristics



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

Sales Office

Finland and Baltic countries

Celltech Oy
Höyläämötie 11 A, 00380 Helsinki, Finland
TEL: +358 (0) 207 999 640
E-mail: info@celltech.fi
www.celltech.fi

Denmark

Celltech A/S
Lejrvvej 25, 3500 Værløse, Denmark
TEL: +45 7025 2201
E-mail: info@celltech.dk
www.celltech.dk

Norway

Staubo Elektro-Maskin AS
Bjørnerudveien 12 C, 1266 Oslo, Norway
TEL: +47 22 75 35 00
E-Mail: post@staubo.no
www.staubo.no