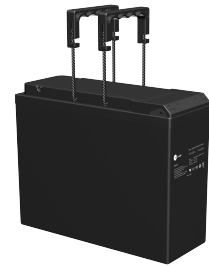


Specification

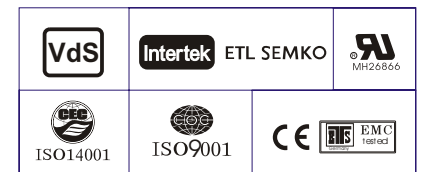
Code:460-6200

Nominal Voltage	12V	
Nominal Capacity(8HR)	40.0AH	
Dimension	Length	277±2mm (10.91 inches)
	Width	106±1mm (4.17 inches)
	Container Height	222±2mm (8.74 inches)
	Total Height (with Terminal)	222±2mm (8.74 inches)
Approx Weight	Approx 14.6 Kg (32.2 lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	44.0 AH/2.20A	(20hr , 1.80V/cell,25°C/77°F)
	41.5 AH/4.15A	(10hr, 1.80V/cell,25°C/77°F)
	40.0 AH/5.00A	(8hr, 1.80V/cell,25°C/77°F)
	37.8 AH/7.56A	(5hr, 1.75V/cell,25°C/77°F)
	27.7 AH/27.7A	(1hr, 1.67V/cell,25°C/77°F)
Max. Discharge Current	400A (5s)	
Internal Resistance	Approx 9.0mΩ	
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 12.0A.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



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	69.6	58.0	49.8	39.0	30.3	24.6	14.7	10.6	8.48	7.02	6.11	4.76	3.97	2.10
1.80V/cell	78.9	64.6	55.1	42.7	32.6	26.3	15.5	11.2	8.93	7.39	6.42	5.00	4.15	2.20
1.75V/cell	86.6	69.9	58.8	44.9	33.8	27.2	15.8	11.4	9.15	7.56	6.52	5.06	4.20	2.23
1.70V/cell	92.6	73.7	61.1	46.2	34.6	27.6	15.9	11.5	9.21	7.60	6.60	5.13	4.24	2.25
1.67V/cell	95.8	75.5	62.4	46.8	34.7	27.7	16.1	11.6	9.28	7.68	6.68	5.20	4.28	2.26
1.60V/cell	100.7	78.4	65.2	48.0	35.6	28.4	16.3	11.8	9.48	7.88	6.80	5.32	4.36	2.27

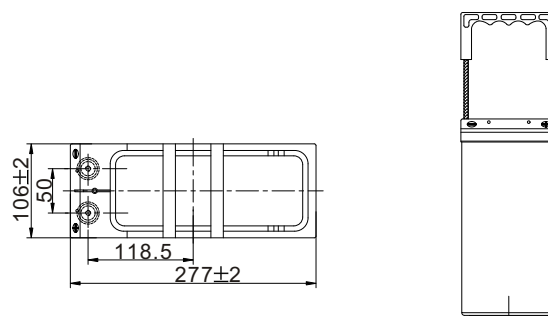
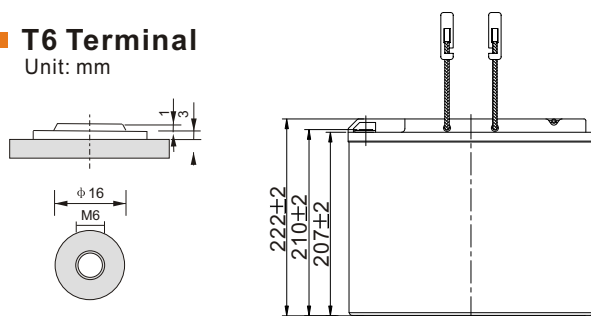
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	129.9	109.4	94.8	75.2	58.8	48.0	28.8	20.8	16.8	13.9	12.1	9.49	7.94	4.21
1.80V/cell	145.5	120.3	103.4	81.0	62.8	50.9	30.2	22.0	17.5	14.6	12.7	9.94	8.29	4.39
1.75V/cell	157.2	128.6	109.3	84.4	64.5	52.5	30.6	22.3	17.9	14.8	12.9	10.0	8.37	4.45
1.70V/cell	164.4	133.6	112.9	86.4	65.8	53.0	30.8	22.4	18.0	14.9	13.0	10.2	8.45	4.48
1.67V/cell	169.5	136.3	114.7	87.3	66.0	53.1	31.0	22.5	18.1	15.0	13.1	10.3	8.51	4.50
1.60V/cell	173.2	138.8	118.2	88.4	66.8	54.0	31.3	22.9	18.4	15.4	13.3	10.5	8.66	4.52

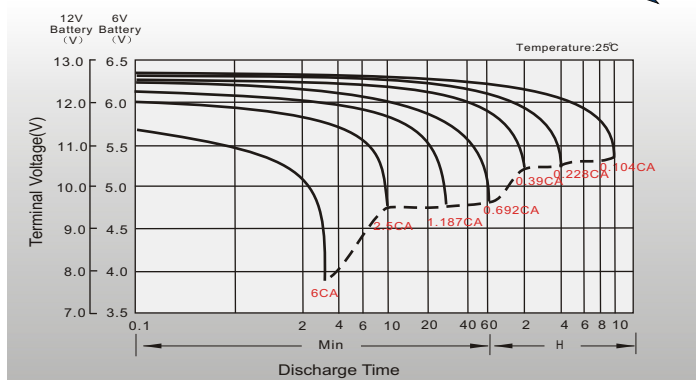
Dimensions

T6 Terminal

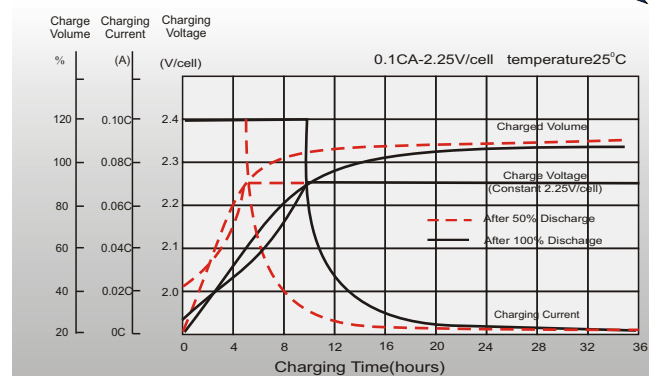
Unit: mm



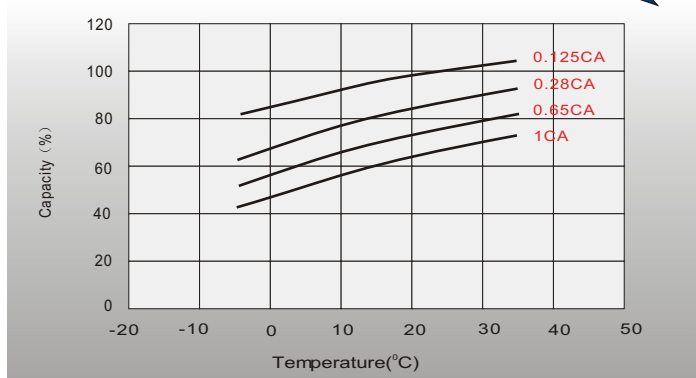
Discharge Characteristics



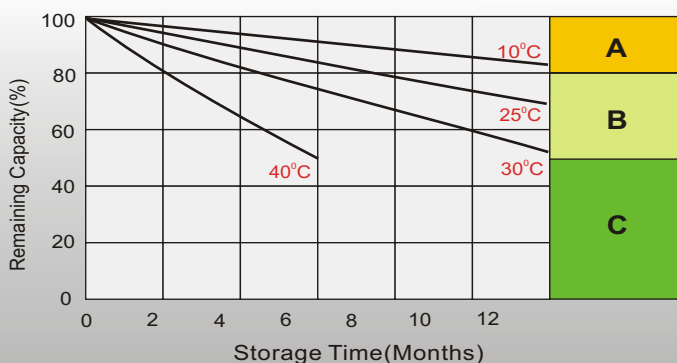
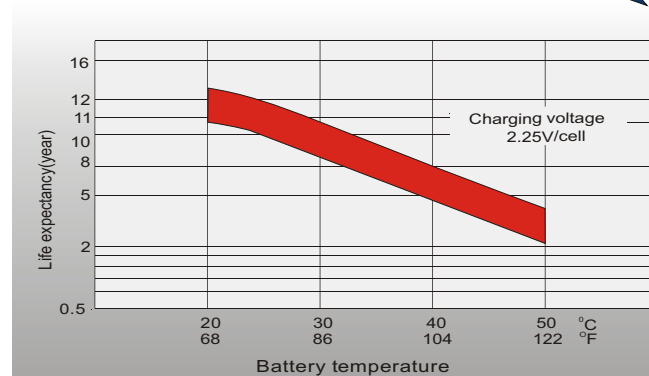
Float Charging Characteristics



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

Denmark

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

Norway

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