

Specification		Code:460-6225
Nominal Voltage	12V	
Nominal Capacity(10HR)	100.0AH	
Dimension	Length	545±3mm (21.5 inches)
	Width	110±2mm (4.33 inches)
	Container Height	233±3mm (9.18 inches)
	Total Height (with Terminal)	233±3mm (9.18 inches)
Approx Weight	Approx 33.8 Kg (74.5 lbs)	
Terminal	T13	
Container Material	ABS	
Rated Capacity	106.8 AH/5.34A	(20hr, 1.80V/cell, 25°C/77°F)
	100.0 AH/10.0A	(10hr, 1.80V/cell, 25°C/77°F)
	96.8 AH/12.1A	(8hr, 1.80V/cell, 25°C/77°F)
	89.0 AH/17.8A	(5hr, 1.75V/cell, 25°C/77°F)
	64.3 AH/64.3A	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	1000A (5s)	
Internal Resistance	Approx 4.3mΩ	
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	
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	154.2	132.0	117.0	93.4	71.3	57.4	33.8	25.0	20.2	17.0	14.9	11.8	9.75	5.18
1.80V/cell	181.2	150.8	129.6	101.2	75.3	59.9	34.8	25.7	20.7	17.5	15.2	12.1	10.0	5.34
1.75V/cell	195.0	159.6	135.6	104.8	77.6	61.7	35.6	26.1	21.1	17.8	15.5	12.3	10.1	5.41
1.70V/cell	205.8	167.6	141.3	107.4	79.1	63.1	36.1	26.6	21.3	18.0	15.6	12.4	10.2	5.47
1.67V/cell	216.0	172.4	145.2	110.0	80.8	64.3	36.7	27.0	21.6	18.2	15.8	12.5	10.3	5.50
1.60V/cell	223.2	177.2	148.8	112.0	82.3	65.3	37.3	27.4	21.9	18.5	16.0	12.7	10.4	5.53

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	287.9	249.0	222.9	179.9	138.5	111.9	66.3	49.2	39.8	33.7	29.5	23.6	19.5	10.4
1.80V/cell	334.4	280.6	243.3	192.0	145.2	116.1	67.8	50.4	40.7	34.6	30.1	24.1	20.0	10.7
1.75V/cell	354.2	293.4	252.1	197.2	148.1	119.1	69.0	51.0	41.2	35.0	30.5	24.4	20.2	10.8
1.70V/cell	365.4	303.9	260.8	200.9	150.4	121.4	69.9	51.8	41.7	35.4	30.8	24.6	20.4	10.9
1.67V/cell	382.0	311.3	266.9	205.4	153.2	123.4	71.0	52.4	42.2	35.7	31.0	24.8	20.5	11.0
1.60V/cell	383.9	313.6	269.7	206.4	154.3	124.1	71.5	52.9	42.5	36.0	31.3	25.0	20.6	11.0

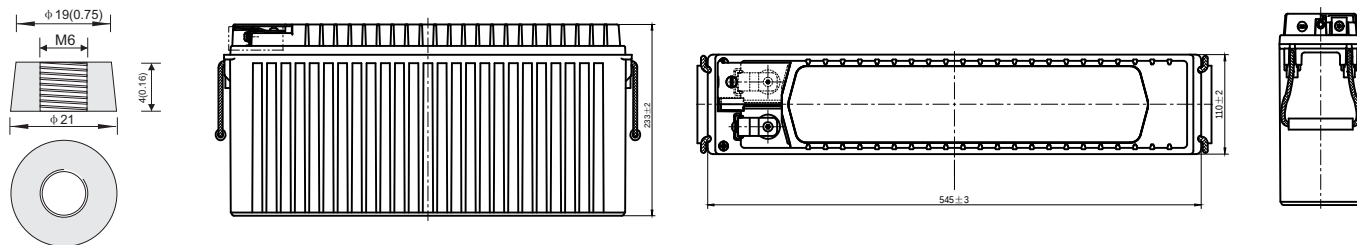
Specifications subject to change without notice.



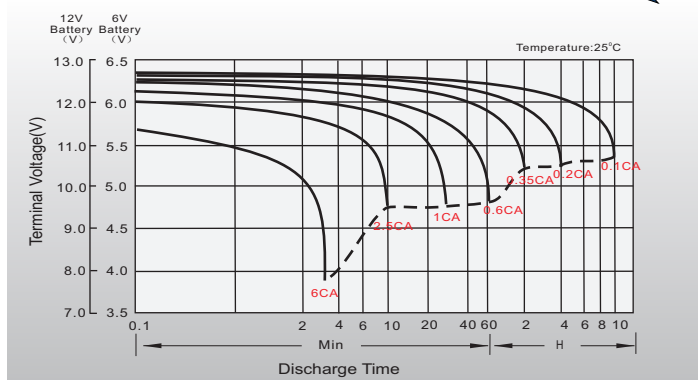
Dimensions

T13 Terminal

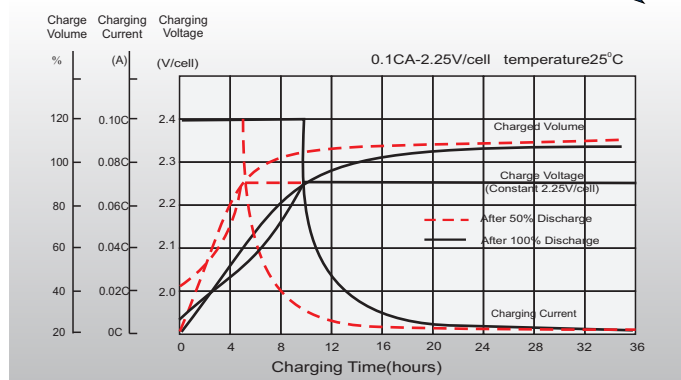
Unit: mm [inches]



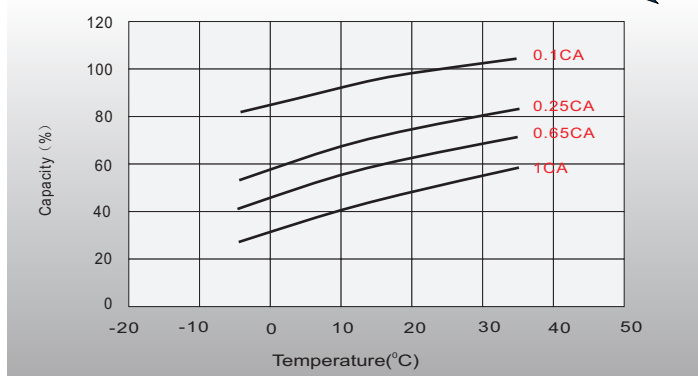
Discharge Characteristics



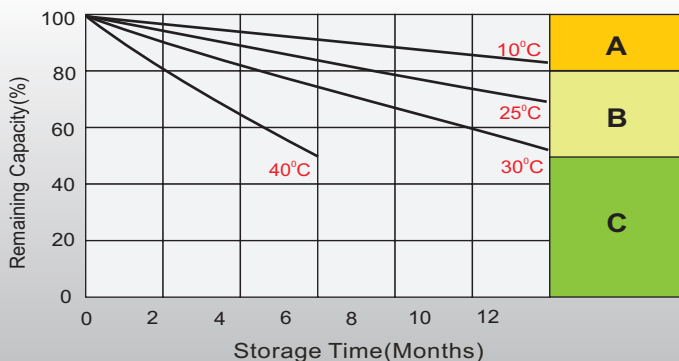
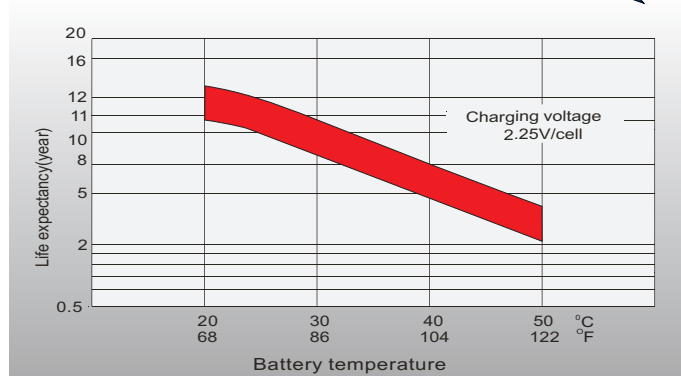
Float Charging Characteristics



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 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.

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