

Specification

Code:460-6245

Nominal Voltage	12V
Rated Capacity	200.0Ah (C ₁₀ , 1.80V/cell)
Dimension	Length 560±2mm (22.05 inches)
	Width 125±2mm (4.92 inches)
	Container Height 320±2mm (12.60 inches)
	Total Height (with Terminal) 320±2mm (12.60 inches)
Approx Weight	Approx 59.5Kg (131.1 lbs)
Terminal	T11
Container Material	ABS
Capacity(25°C/77°F)	210.0 Ah (20hr, 10.5A, 1.80V/cell)
	200.0 Ah (10hr, 20.0A, 1.80V/cell)
	188.8 Ah (8hr, 23.6A, 1.80V/cell)
	173.0 Ah (5hr, 34.6A, 1.75V/cell)
	129.2 Ah (1hr, 129.2A, 1.67V/cell)
Max. Discharge Current	1600A (5s)
Internal Resistance	Approx 3.0mΩ
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	2±53°C (77±5°F)
Boost Charge	Initial Charging Current less than 60.0A. Voltage 14.1V~14.4V 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 (3%/month)	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	5; : 18	252.9	226.7	185.7	143.2	115.7	67.5	49.4	39.6	33.2	28.7	22.8	19.0	10.1
1.80V/cell	334.0	291.9	252.9	199.6	151.4	121.1	69.9	51.2	40.8	34.2	29.5	23.6	20.0	10.5
1.75V/cell	368.6	314.2	269.6	207.6	156.1	124.7	71.5	52.0	41.3	34.6	29.9	24.0	20.1	10.6
1.70V/cell	392.5	329.3	280.4	214.7	159.1	126.7	72.5	52.7	41.9	34.9	30.3	24.3	20.3	10.7
1.67V/cell	410.4	340.4	286.3	219.1	162.5	129.2	73.5	53.1	42.3	35.4	30.6	24.5	20.5	10.8
1.60V/cell	428.3	349.9	294.7	223.5	164.9	131.2	74.4	53.8	42.7	35.7	30.9	24.8	20.7	10.8

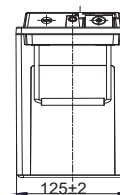
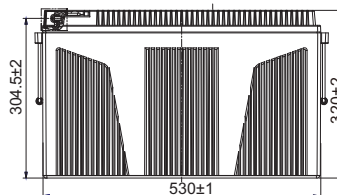
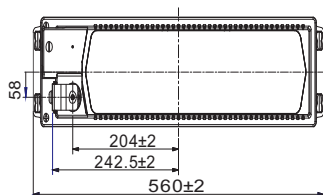
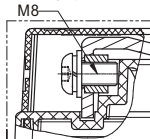
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	869.1	477.0	431.8	357.7	278.0	225.5	132.4	97.2	78.2	65.8	57.1	45.5	38.0	20.2
1.80V/cell	616.5	543.2	474.8	378.7	291.7	234.7	136.2	100.2	80.2	67.3	58.3	47.0	39.7	21.0
1.75V/cell	669.5	577.5	501.3	390.5	298.1	240.6	138.8	101.4	80.9	68.0	59.0	47.6	40.1	21.2
1.70V/cell	696.9	597.0	517.4	401.8	302.5	243.6	140.4	102.6	81.9	68.4	59.7	48.1	40.5	21.3
1.67V/cell	725.8	614.6	526.3	409.1	308.1	248.0	142.2	103.2	82.6	69.3	60.1	48.5	40.8	21.4
1.60V/cell	736.6	619.3	534.0	411.9	309.2	249.3	142.6	103.8	82.9	69.6	60.4	48.9	41.1	21.5

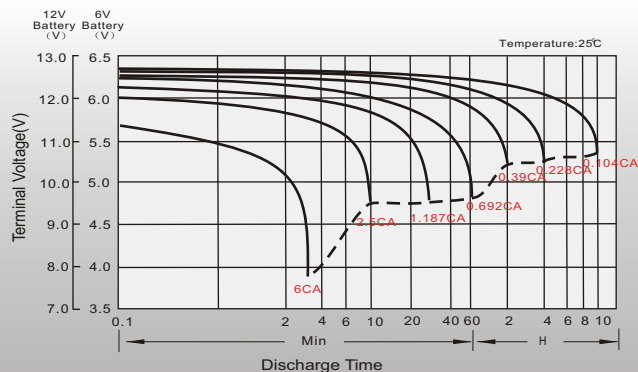
Dimensions

T11 Terminal

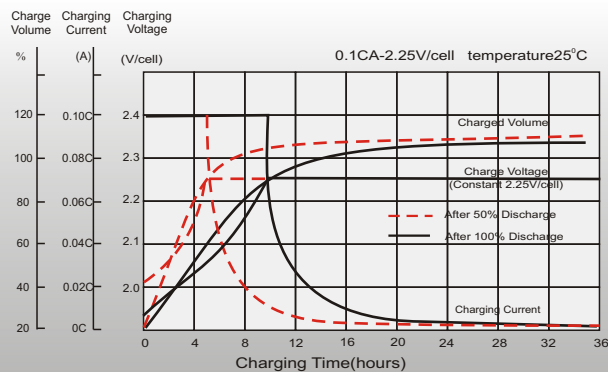
Unit: mm



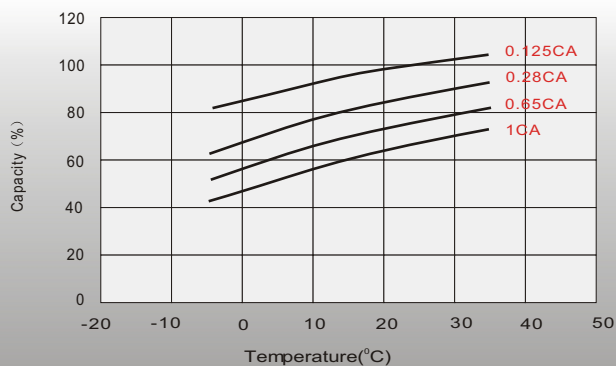
Discharge Characteristics



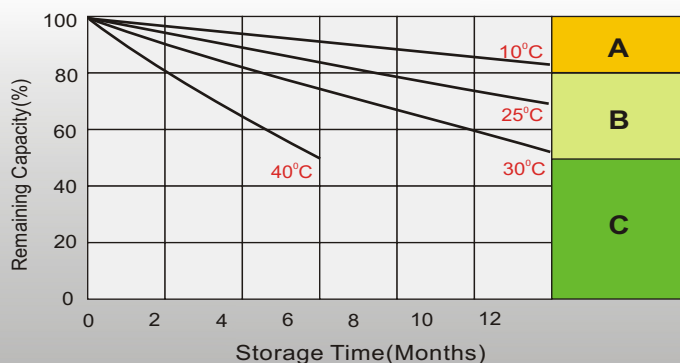
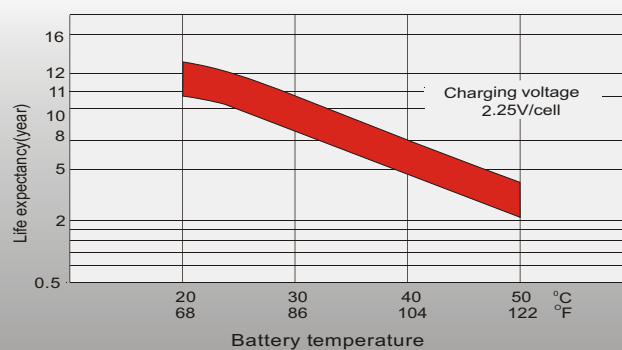
Float Charging Characteristics



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.

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