



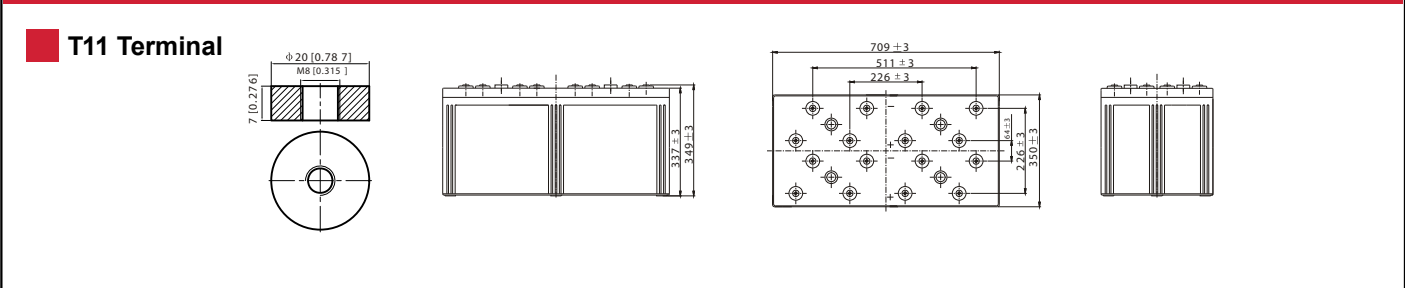
Physical Specification

Part Number:	CXL3000-2
Length:	709 ± 3 mm (27.91 inches)
Width:	350 ± 3 mm (13.78 inches)
Container Height:	337 ± 3 mm (13.27 inches)
Total Height (with terminal):	347 ± 3 mm (13.72 inches)
Approx Weight:	Approx 188 Kg

Specifications

	Nominal Voltage	2V	
	Nominal Capacity (10HR)	3000AH	
Terminal Type	Standard Terminal	T11	
	Optional Terminal	-	
Container Material	Standard Option	ABS	
	Flame Retardant Option (FR)	ABS (UL94:VO)	
Rated Capacity	3210.0 AH/160.5A	(20hr, 1.80V/cell, 25°C / 77°F)	
	3000.0 AH/300.0A	(10hr, 1.80V/cell, 25°C / 77°F)	
	2610.0 AH/522.0A	(5hr, 1.75V/cell, 25°C / 77°F)	
	2340.0 AH/780.0A	(3hr, 1.75V/cell, 25°C / 77°F)	
	1860.0 AH/1860.0A	(1hr, 1.60V/cell, 25°C / 77°F)	
Max Discharge Current	24000A (5s)		
Internal Resistance	Approx 0.2mΩ		
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C (5 ~ 122°F)	
		Charge: 0 ~ 40°C (5 ~ 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 900.0A. Voltage 2.4V ~ 2.5V at 25°C (77°F) Temp. Coefficient -5mV/°C	
	Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.3V at 25°C (77°F) Temp. Coefficient -3mV/°C	
	Capacity affected by Temperature	40°C (104°F)	103%
25°C (77°F)		100%	
0°C (32°F)		86%	
Design Floating Life at 20°C	15 Years		
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.		

Dimensions



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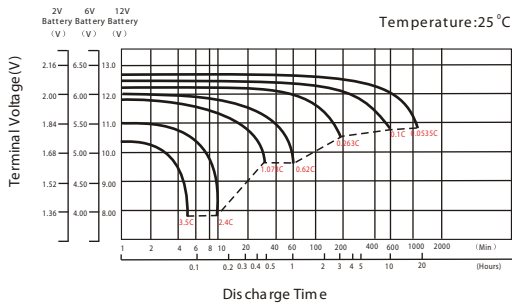
Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3510.0	2952.0	2619.0	2172.0	1676.0	1434.0	928.5	698.1	571.9	481.1	421.5	338.2	290.7	155.1
1.80V/cell	\	3314.9	2895.6	2359.1	1808.0	1513.7	998.1	750.0	607.9	510.0	446.7	355.9	300.0	160.5
1.75V/cell	\	3736.1	3200.0	2563.5	1972.0	1650.0	1038.0	780.0	628.9	522.0	460.6	367.8	308.1	164.6
1.70V/cell	\	\	3532.2	2798.8	2124.0	1746.0	1093.5	821.0	657.0	552.0	482.7	383.3	319.9	168.8
1.65V/cell	\	\	3757.7	2953.6	2248.0	1806.0	1133.7	854.0	683.0	569.4	499.5	396.3	328.9	174.0
1.60V/cell	\	\	\	3151.6	2336.0	1860.0	1162.5	876.0	698.1	583.3	510.0	403.1	335.8	176.8

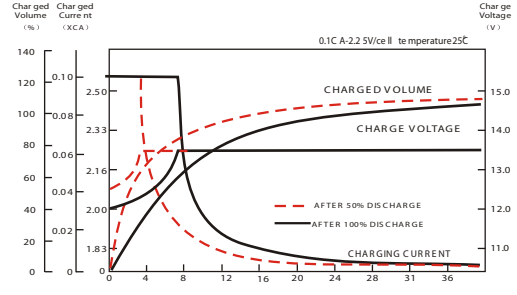
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6553.9	5567.5	4989.2	4183.3	3255.1	2794.7	1821.7	1374.8	1129.6	952.9	837.1	674.5	581.1	310.4
1.80V/cell	\	6168.7	5435.9	4474.7	3484.4	2934.4	1945.3	1468.7	1194.3	1005.4	883.5	707.7	598.8	320.7
1.75V/cell	\	6868.1	5950.4	4822.8	3764.5	3184.2	2015.6	1521.5	1231.3	1025.5	908.3	729.7	614.1	328.4
1.70V/cell	\	\	6519.3	5236.6	4039.8	3358.8	2119.0	1598.5	1284.0	1082.7	950.4	759.7	637.3	336.6
1.65V/cell	\	\	6884.1	5481.2	4237.5	3449.5	2184.2	1655.6	1329.7	1113.1	980.5	783.4	654.1	346.6
1.60V/cell	\	\	\	5808.4	4380.0	3534.0	2229.0	1690.7	1355.0	1136.3	998.1	795.4	666.7	351.7

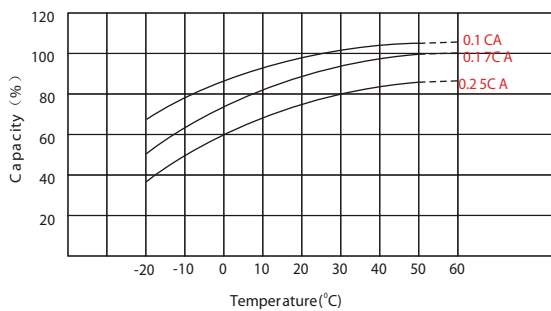
Discharge Characteristics



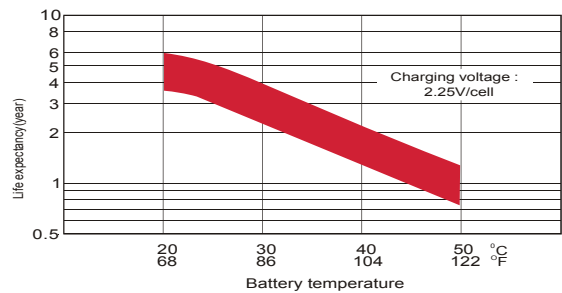
Float Charging Characteristics



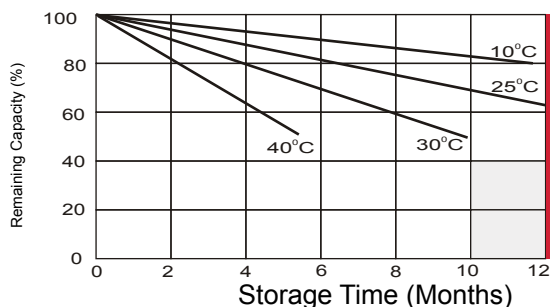
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



- A**
- B**
- C**

No supplementary required
(Carryout supplementary charge before use if 100% capacity is required.)

- Supplementary charge required before use. Optional charging way as below:
- Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 - Charged for above 20 hours at limited current 0.25CA and constant voltage 2.25V/cell.
 - Charged for 8 ~ 10 hours at limited current 0.05 CA.

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