CXL 75-12
12V 75AH
Extended Life

CXL75-12

Physical Specification

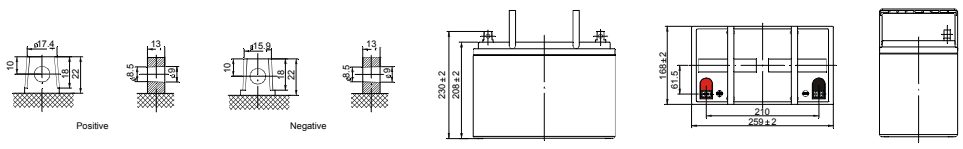
Part Number:	**CXL75-12**
Length:	**259 ± 2 mm (10.20 inches)**
Width:	**168 ± 2 mm (6.61 inches)**
Container Height:	**208 ± 2 mm (8.19 inches)**
Total Height (with terminal):	**230 ± 2 mm (9.06 inches)**
Approx Weight:	**Approx 23.0kg (50.7lbs)**

Specifications

	Normal Voltage	12V
	Normal Capacity (20HR)	75.0AH
Terminal Type	Standard Terminal	T6
	Optional Terminal	T14
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS(UL94:VO)
Rated Capacity	80.2 AH/4.01A	(20hr, 1.80V/cell, 25°C / 77°F)
	75.0 AH/7.50A	(10hr, 1.80V/cell, 25°C / 77°F)
	65.5 AH/13.1A	(5hr, 1.75V/cell, 25°C / 77°F)
	58.5 AH/19.5A	(3hr, 1.75V/cell, 25°C / 77°F)
	46.5 AH/46.5A	(1hr, 1.60V/cell, 25°C / 77°F)
Max Discharge Current	900A (5s)	
Internal Resistance	Approx 6.6mΩ	
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 22.5A.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%
Design Floating Life at 20°C	15 Years	
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C(°77F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

T14 Terminal



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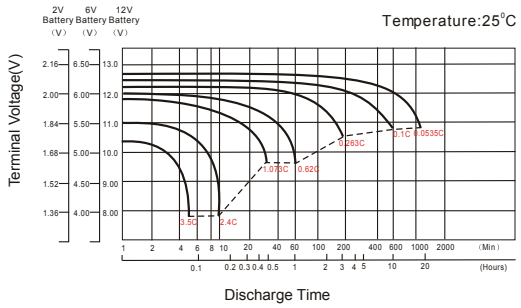
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	87.8	73.8	65.5	54.3	41.9	35.9	23.2	17.5	14.3	12.0	10.5	8.46	7.27	3.88
1.80V/cell	100.4	82.9	72.4	59.0	45.2	37.8	25.0	18.8	15.2	12.8	11.2	8.90	7.50	4.01
1.75V/cell	114.0	93.4	80.0	64.1	49.3	41.3	26.0	19.5	15.7	13.1	11.5	9.20	7.70	4.11
1.70V/cell	128.8	103.6	88.3	70.0	53.1	43.7	27.3	20.5	16.4	13.8	12.1	9.58	8.00	4.22
1.65V/cell	138.3	111.0	93.9	73.8	56.2	45.2	28.3	21.4	17.1	14.2	12.5	9.91	8.22	4.35
1.60V/cell	152.2	121.5	102.1	78.8	58.4	46.5	29.1	21.9	17.5	14.6	12.8	10.1	8.39	4.42

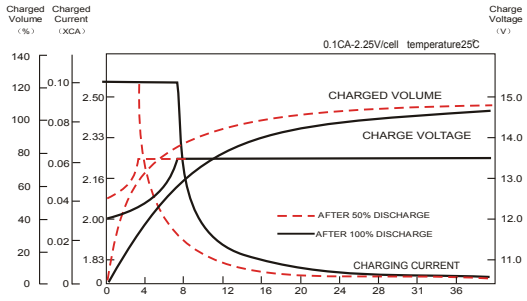
Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	163.8	139.2	124.7	104.6	81.4	69.9	45.5	34.4	28.2	23.8	20.9	16.9	14.5	7.76
1.80V/cell	185.3	154.2	135.9	111.9	87.1	73.4	48.6	36.7	29.9	25.1	22.1	17.7	15.0	8.02
1.75V/cell	207.1	171.7	148.8	120.6	94.1	79.6	50.4	38.0	30.8	25.6	22.7	18.2	15.4	8.21
1.70V/cell	228.7	187.9	163.0	130.9	101.0	84.0	53.0	40.0	32.1	27.1	23.8	19.0	15.9	8.41
1.65V/cell	243.3	199.6	172.1	137.0	105.9	86.2	54.6	41.4	33.2	27.8	24.5	19.6	16.4	8.67
1.60V/cell	261.7	215.1	185.0	145.2	109.5	88.4	55.7	42.3	33.9	28.4	25.0	19.9	16.7	8.79

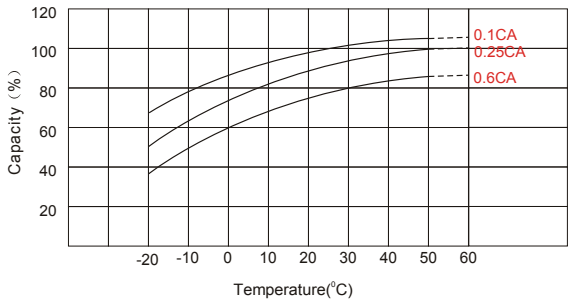
Discharge Characteristics



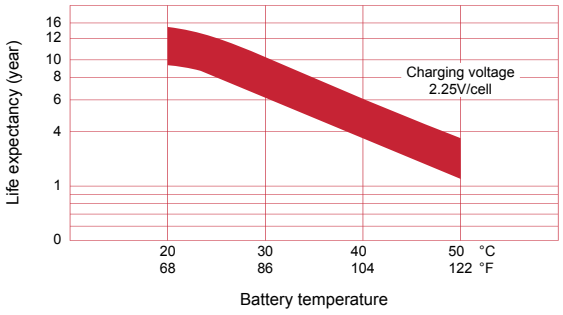
Float Charging Characteristics



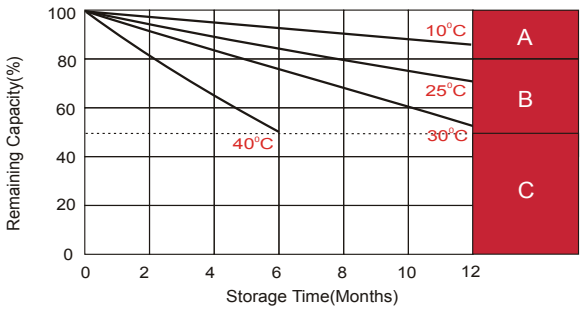
Temperature Effects in Relation to Battery Capacity



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 limted current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limited current 0. 25CA and constant volatge 2.45V/cell.
3.Charged for 8~10hours at limted 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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