

CXL9-12

12V 9AH
Extended Life



CXL9-12



Physical Specification

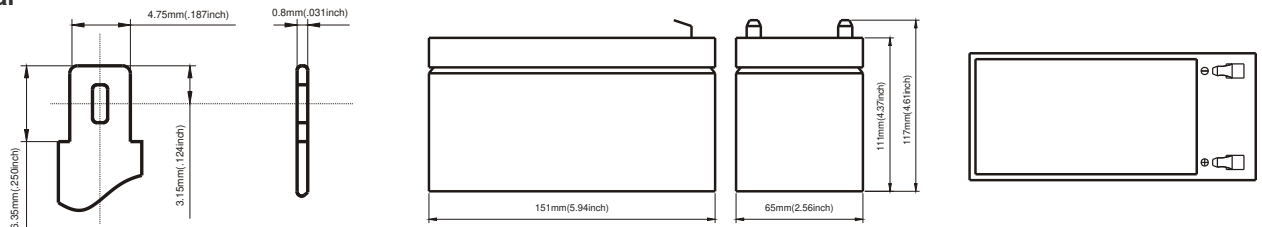
Length	151 ± 2 mm
Width	65 ± 2 mm
Container Height	94 ± 2 mm
Total Height (with terminal)	99 ± 2 mm
Approx Weight	2.75 kg

Specifications

	Nominal Voltage	12V
	Nominal Capacity (HR)	9AH
Terminal Type	Standard Terminal	T1
	Standard Option	-
Container Material	10hr, 1.80V/cell, 25°C	8.55AH/0.45A
	1hr, 1.60V/cell, 25°C	5.4AH/5.4A
Internal Resistance	18.20mΩ	
Discharge Characteristics	Operating Temp. Range	Discharge: -15 ~ 50°C
		Charge: 0 ~ 40°C
		Storage: -15 ~ 40°C
	Cycle Use	14.4V ~ 15.0V Temp. Coefficient -24mV/°C
	Standby Use	No limit on Initial Charging Current Voltage 13.6V ~ 13.8V Temp. Coefficient -18mV/°C
Capacity affect by Temperature	40°C	103%
	25°C	100%
	0°C	86%
Design Floating Life at 20°C	15 Years	
Self Discharge	Canbat batteries may be stored for up to 6 months at 25°C, then a refresh charge is required. Time interval is shorter for higher temperatures.	

Dimensions

T1 Terminal



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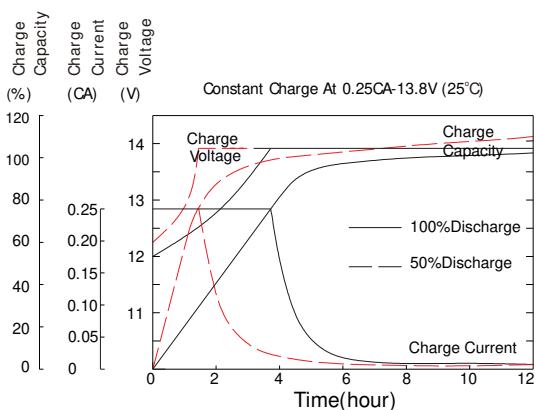
Constant Current Discharge Ratings - amperes at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	35.5	21.8	16.5	10.1	5.40	2.81	1.66	0.92	0.51
1.67 V	32.9	20.9	16.0	9.65	5.35	2.38	1.62	0.90	0.47
1.70 V	30.4	20.0	15.5	8.75	5.15	2.25	1.58	0.88	0.46
1.75 V	30.1	19.4	15.0	8.33	5.04	2.20	1.53	0.86	0.45
1.80 V	26.6	18.5	14.0	7.72	4.70	2.14	1.51	0.85	0.45
1.85 V	23.6	17.6	12.2	7.07	4.55	2.11	1.50	0.67	0.44

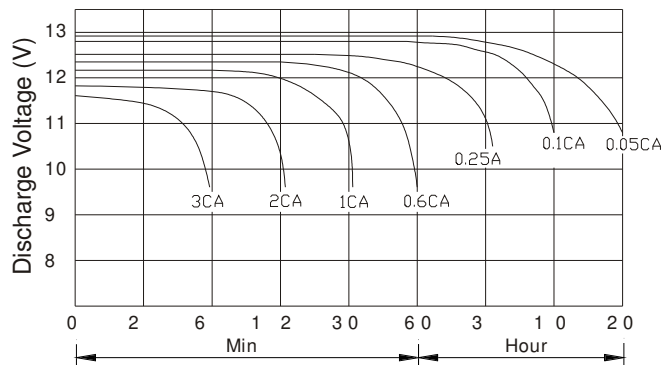
Constant Power Discharge Ratings - watts at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	72.0	46.8	36.0	20.9	11.7	4.55	3.10	1.75	0.92
1.67 V	69.7	45.7	35.5	20.5	11.6	4.54	3.08	1.75	0.92
1.70 V	66.8	45.0	34.6	20.2	11.4	4.50	3.07	1.73	0.91
1.75 V	62.8	43.2	33.5	19.6	11.3	4.46	3.06	1.73	0.91
1.80 V	54.5	40.0	32.0	19.1	10.9	4.37	3.03	1.69	0.90
1.85 V	51.5	37.0	30.6	18.2	10.7	4.30	3.00	1.69	0.90

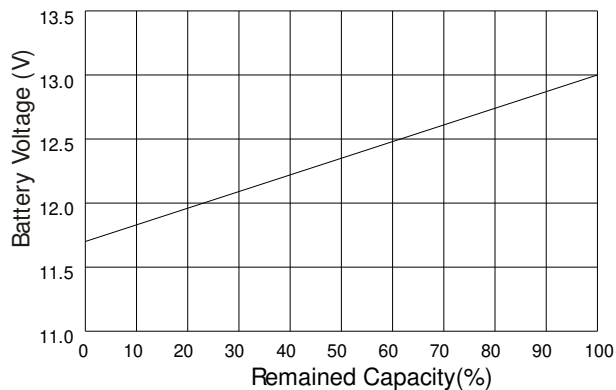
Charge Characteristic



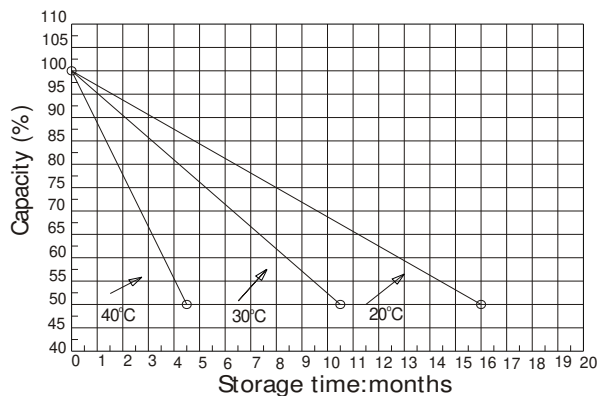
Discharge Characteristic 25°C



Relationship of OCV and state of charge



Self Discharge Characteristics



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