

Battery could be used at the temperature -40~50°C

High Energy Density

Safe and Reliable

Gel Technology

20 yrs Design Float
Charge Life

Normal Voltage	2 V
Capacity	200 Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Weight	Approx. 20.5 kg (45.19 lbs)
Internal Resistance (full charged)	Approx. 0.44 mΩ @ 25°C (77°F)
Maximum Discharge Current	1600 A(5sec)
Self Discharge @25°C (77°F)	Less than 10% after 90 days storage
Operating Temperature Range	Discharge: -40°C~50°C(-40°F~122°F)
	Charge: -15°C~40°C(5°F~104°F)
	Storage: -15°C~30°C(5°F~86°F)
Recommended Operating Temperature	20°C~30°C(68°F~86°F)
Maximum Charging Current Limited	40 A
Charging Voltage @ 25°C (77°F)	Float: 2.23 V, Temps coefficient -3 mV/°C
	Cycle: 2.35 V
Contain Materials	94HB ABS (UL 94_V0 Optional)
Terminal	M8 and Copper
Capacity Affected by Temperature	109 % @ 40°C
	88 % @ 0°C
	70 % @ -20°C

Approved Certificate:

TUV:
R50031791

ISO 14001:
00206E11022R0L

ISO 9001:
0205Q14982R2L

ISO 18001:
2004-316

Battery Standard:
IEC 60896-2:2002
DIN 43539-100

Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

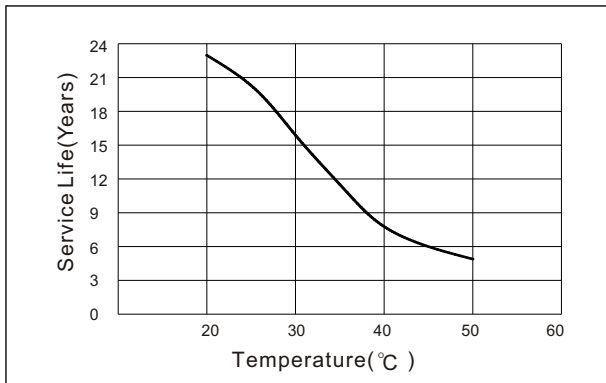
F.V/Time	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	63.6	48.0	39.2	33.2	28.8	23.2	20.0	17.2	10.9	2.40	2.03
1.83V	62.0	46.8	38.0	32.4	28.4	22.8	19.2	16.5	10.7	2.36	1.98
1.85V	60.2	45.6	37.2	31.8	27.8	22.2	18.8	16.1	10.5	2.32	1.95
1.87V	58.4	44.4	36.4	31.2	27.2	21.6	18.4	15.7	10.3	2.28	1.93
1.90V	54.8	42.0	34.4	30.0	26.0	20.4	17.6	15.3	10.0	2.20	1.87

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

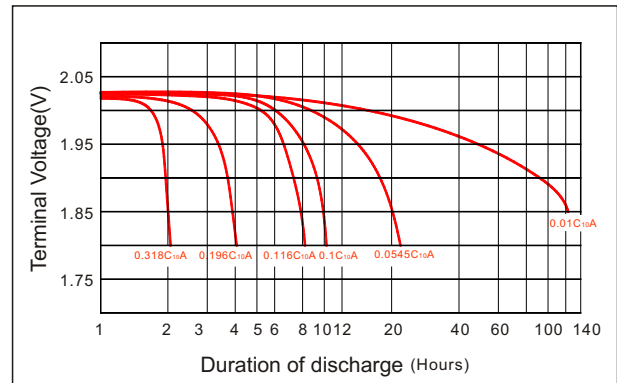
F.V/Time	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	123	92.1	75.7	64.8	56.0	45.2	39.0	33.6	21.3	4.8	4.0
1.83V	117	89.1	73.3	63.1	54.7	43.4	37.4	32.2	20.9	4.7	3.9
1.85V	113	86.3	71.7	61.8	53.2	41.6	36.6	31.4	20.5	4.6	3.9
1.87V	108	83.6	70.2	60.6	51.8	39.8	35.9	30.6	20.1	4.5	3.8
1.90V	99	78.4	66.2	58.1	49.0	36.6	34.3	29.8	19.5	4.4	3.7

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Coslight for the last information.

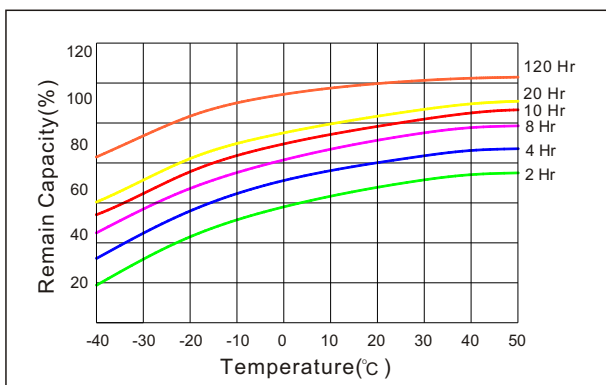
Expected Life V.S Operating Temperature



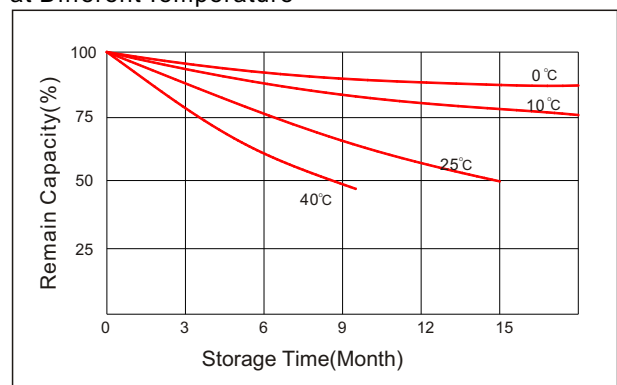
Discharge Performance at Different Discharge Rate



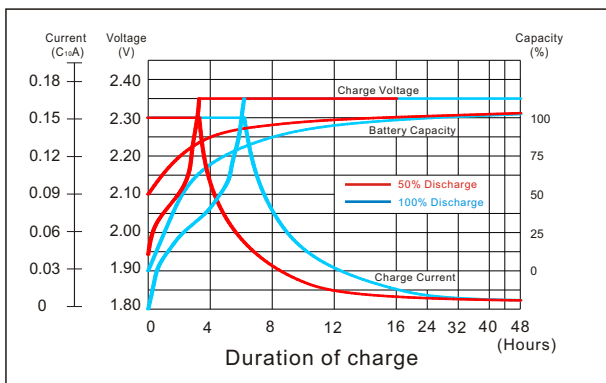
Capacity at Different Temperature



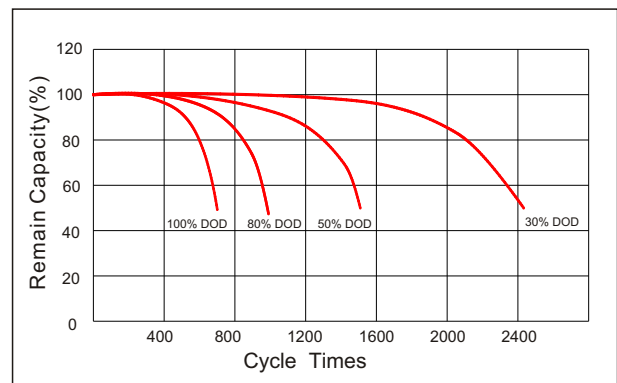
Curve of Storage Time and Self-discharge at Different Temperature



Constant Voltage Charge Characteristics



Life at Different DOD



Manufacturer Global Contact:

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