

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	1200 Ah@10hr to 1.80V per cell @ 25°C (77°F)
Weight	Approx. 97.0kg (210.84 lbs)
Internal Resistance (full charged)	Approx. 0.13 mΩ @ 25°C (77°F)
Maximum Discharge Current	9600 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	240 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:

UL:  
Mh29493

TUV:  
R50031791

ISO 14001:  
00206E11022R0L

ISO 9001:  
0205Q14982R2L

ISO 18001:  
2004-316

Battery Standard:  
IEC 60896-2:2004  
DIN 43539-100

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

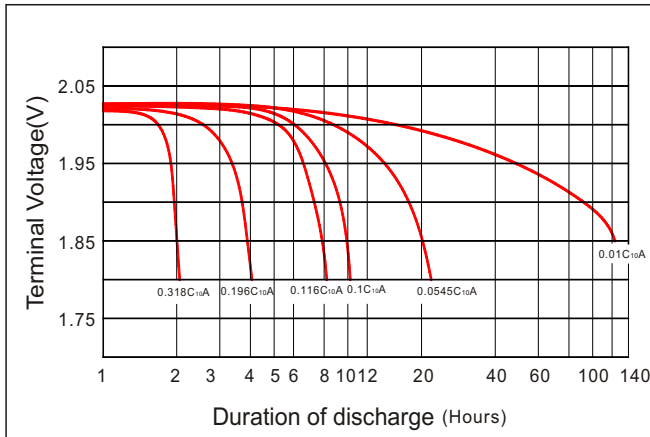
F.V/Time	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	398	300	244	207	180	144	120	103	65.4	14.4	12.2
1.83V	384	291	240	202	175	140	116	99.0	64.2	14.2	11.9
1.85V	369	282	234	198	172	137	114	96.5	63.0	13.9	11.7
1.87V	354	273	228	194	169	134	111	94.0	61.8	13.7	11.6
1.90V	330	258	216	184	159	128	106	92.0	60.0	13.2	11.2

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

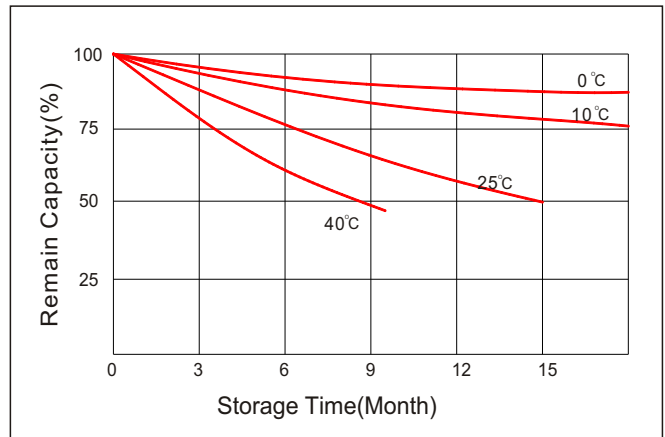
F.V/Time	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	770	576	473	405	350	281	234	201	128	28.6	24.3
1.83V	727	555	463	395	337	267	227	193	125	28.1	23.7
1.85V	690	535	451	386	330	257	222	188	123	27.6	23.4
1.87V	653	515	439	377	322	247	217	183	121	27.1	23.1
1.90V	596	482	416	357	301	230	208	179	117	26.2	22.3

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.

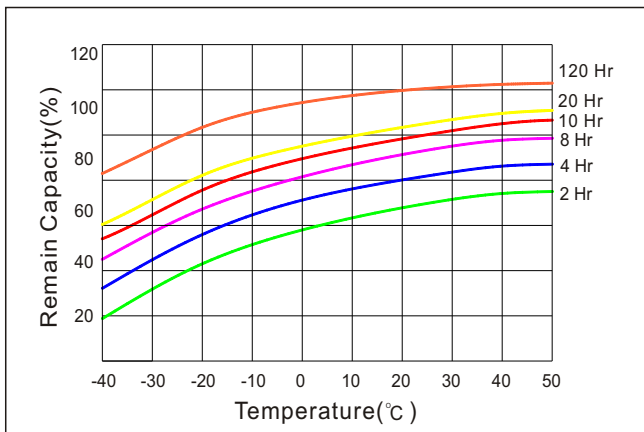
Discharge Performance  
at Different Discharge Rate



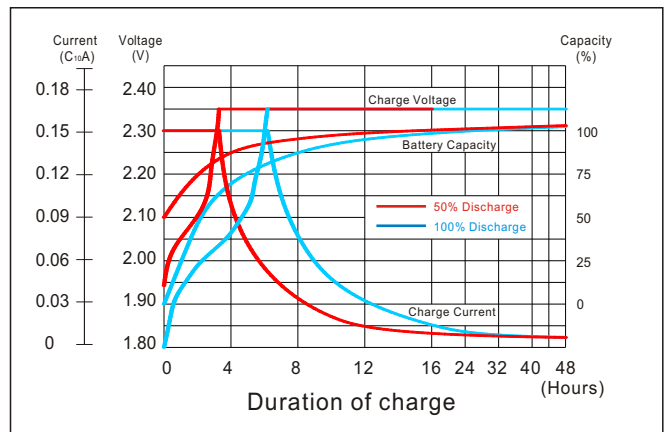
Curve of Storage Time and Self-discharge  
at Different Temperature



Capacity at Different Temperature



Constant Voltage Charge Characteristics



## Manufacturer Global Contact:

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