

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	800 Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Weight	Approx. 68.0kg (149.91 lbs)
Internal Resistance (full charged)	Approx. 0.22 mΩ @ 25°C (77°F)
Maximum Discharge Current	6400 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	160 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)

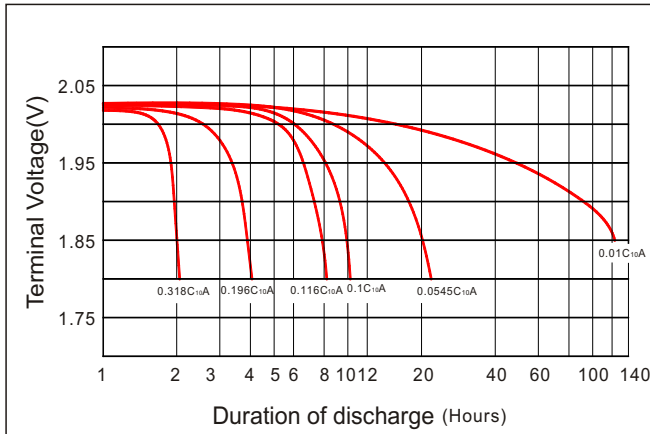
F.1.80Me	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	265.6	200.0	163.2	138.4	120.0	96.0	80.0	68.7	43.6	9.60	8.13
1.85V	256.0	194.4	160.0	135.2	116.8	93.6	77.6	66.0	42.8	9.44	7.93
1.85V	246.0	188.4	156.0	132.4	114.8	91.6	76.0	64.3	42.0	9.28	7.83
1.80V	236.0	182.4	152.0	129.6	112.8	89.6	74.4	62.7	41.2	9.12	7.73
1.90V	220.0	172.0	144.0	123.2	106.4	85.6	71.2	61.3	40.0	8.80	7.47

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

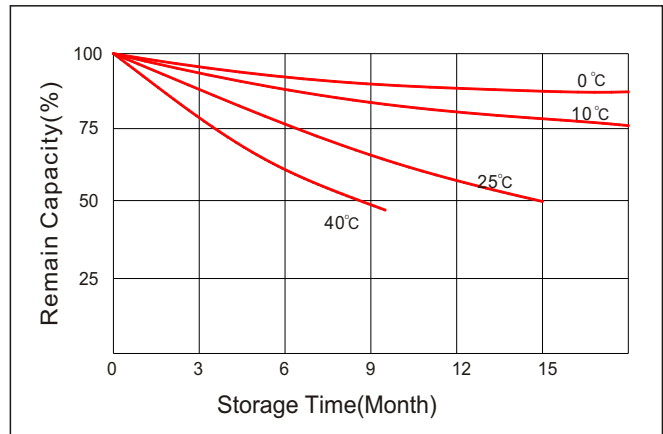
F.1.80Me	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	513	384	315	270	233	187	156	134	85.2	19.0	16.2
1.85V	485	370	309	263	225	178	151	129	83.6	18.7	15.8
1.85V	460	357	301	257	220	171	148	125	82.0	18.4	15.6
1.80V	435	343	293	252	215	165	145	122	80.4	18.1	15.4
1.90V	397	321	277	239	201	154	139	119	78.1	17.4	14.8

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.

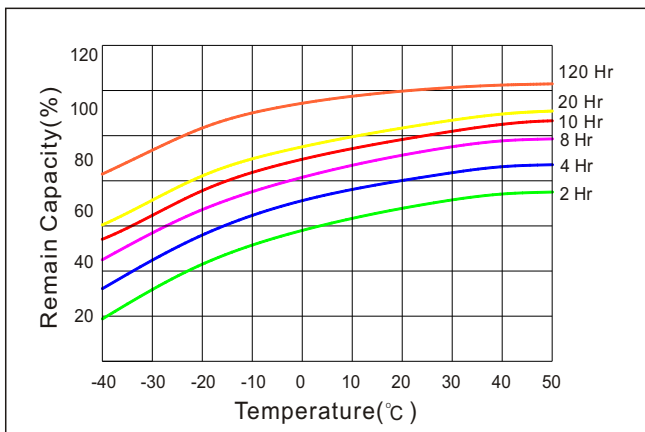
Discharge Performance
at Different Discharge Rate



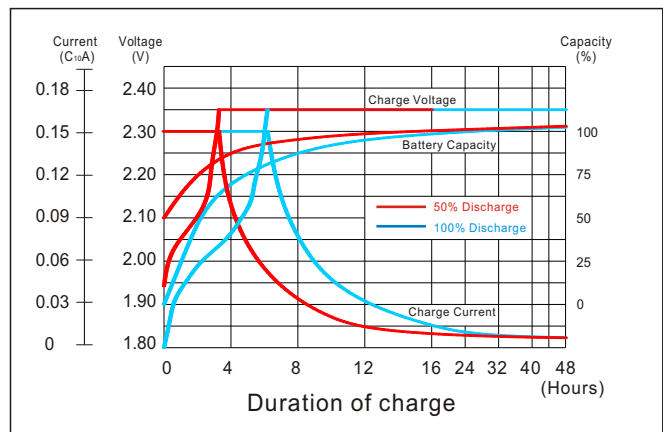
Curve of Storage Time and Self-discharge
at Different Temperature



Capacity at Different Temperature



Constant Voltage Charge Characteristics



Manufacturer Global Contact:

Nation	Contact	E-mail	Nation	Contact	E-mail
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