

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

High Energy Density

Safe and Reliable

Design Life  
10 years @25°C

Normal Voltage	12 V
Capacity	150 Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Weight	Approx. 50 kg (110.23 lbs)
Internal Resistance (full charged)	Approx. 4.5 mΩ @ 25°C (77°F)
Maximum Discharge Current	1500 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	30A
Charging Voltage @ 25°C(77°F)	Float: 13.38 V, Temps coefficient -18 mV/°C
	Cycle: 14.10 V
Contain Materials	94HB ABS (UL 94_V0 Optional)
Terminal	M6 and Pb (Integral Copper insert)
Capacity Affected by Temperature	109 % @ 40°C
	88 % @ 0°C
	70 % @ -20°C

Approved Certificate:

UL:  
MH 27888  
MH 29493

CE :  
TB11050800

ISO 14001:  
00206E11022R0L

ISO 9001:  
0205Q14982R2L

ISO 18001:  
2004-316

Battery Standard:  
IEC 60896-2:2002

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

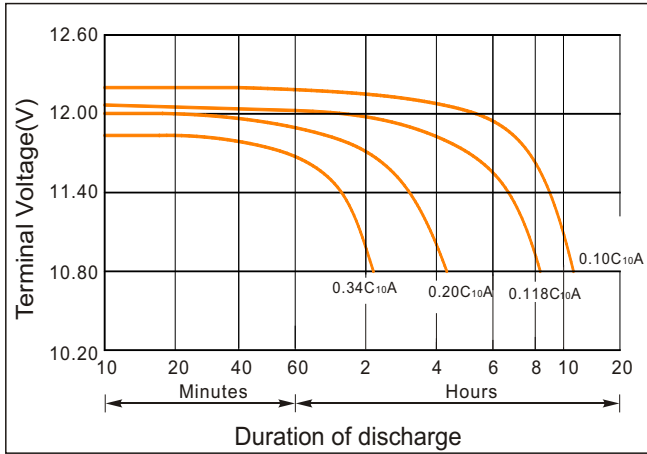
F.V/Time	30 min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr
1.70V/cell	159	95	56	40.8	32.1	27.0	23.1	18.2	15.3	13.0
1.75V/cell	153	93	55	40.5	31.8	26.9	23.0	18.0	15.2	12.9
1.80V/cell	144	89	54	40.1	31.5	26.7	22.8	17.9	15.0	12.8
1.83V/cell	139	87	53	39.7	31.2	26.4	22.7	17.8	14.9	12.8
1.85V/cell	132	85	53	39.2	31.1	26.3	22.5	17.7	14.9	12.7

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

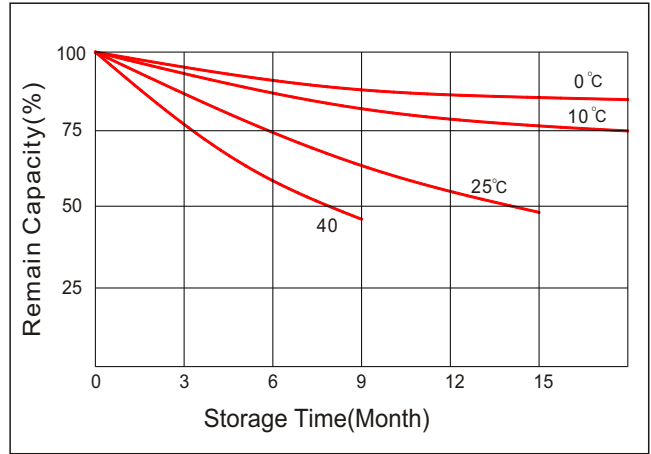
F.V/Time	30 min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr
1.70V/cell	300	183	108	82.7	66.8	54.2	47.1	36.5	30.8	26.2
1.75V/cell	297	182	105	81.8	65.7	53.7	46.2	36.0	30.6	26.0
1.80V/cell	293	179	104	80.7	64.8	53.3	45.3	35.6	30.5	25.9
1.83V/cell	282	174	102	79.8	64.4	53.0	45.0	35.4	30.3	25.9
1.85V/cell	287	176	102	79.8	63.5	52.8	44.6	35.3	30.2	25.7

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.

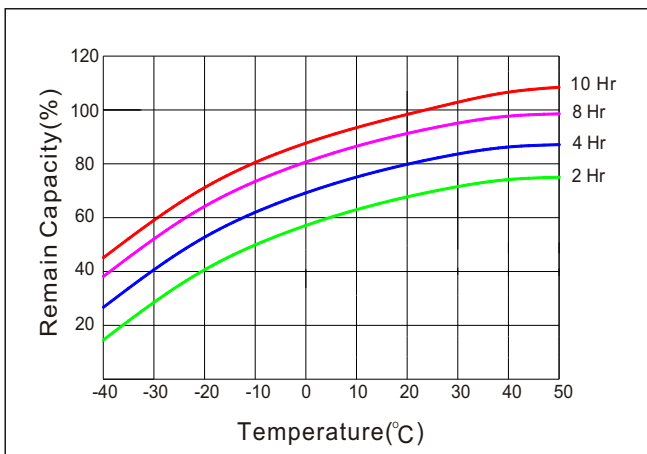
### Discharge Performance at Different Discharge Rate



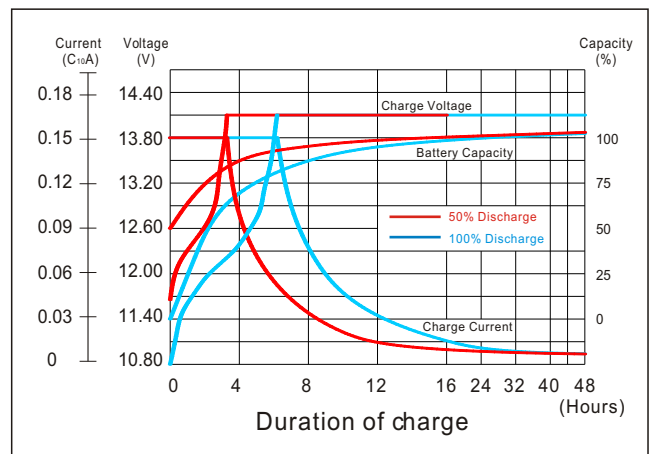
### Curve of Storage Time and Self-discharge at Different Temperature



### Capacity at Different Temperature



### Constant Voltage Charge Characteristics



### Manufacturer Global Contact:

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