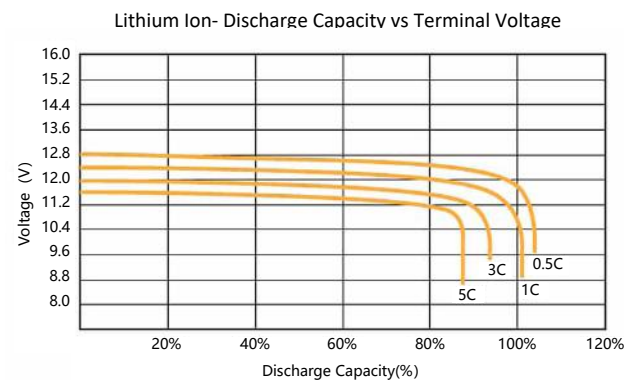
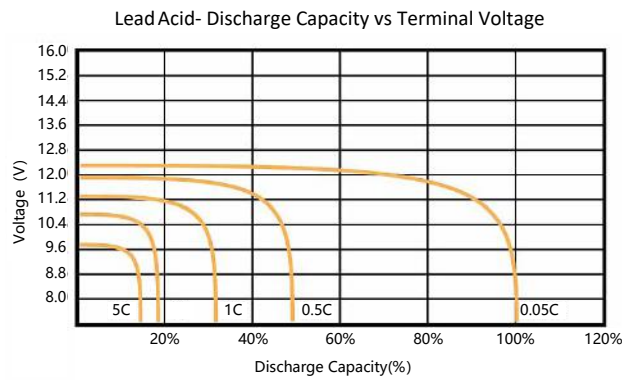
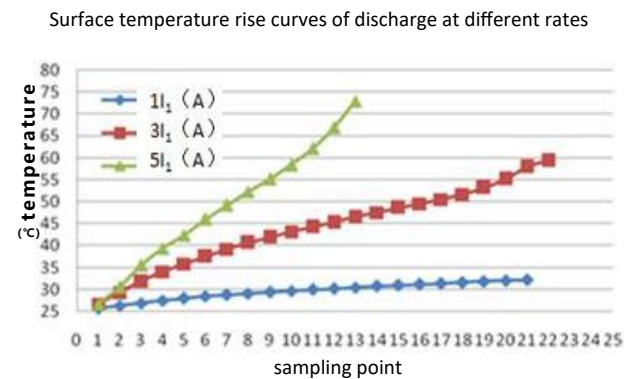
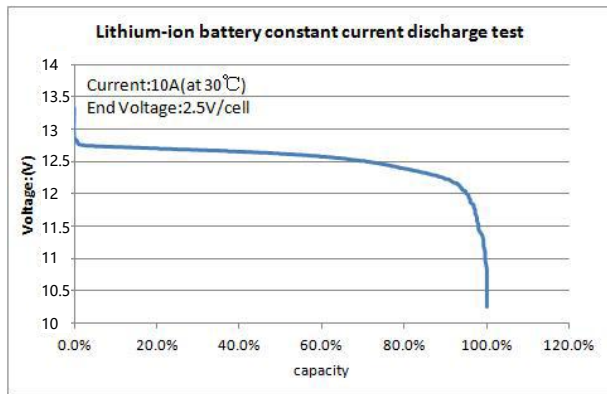


Discharge capacity analysis



Lithium battery capacity and cycle test



APPLICATIONS

Streets, Plaza car park, Construction site, Emergency exit, Mine lot, Industrial park, etc.



Street Solar Lighting



Park & Scenic Spot Solar Lighting



Square & Parking Solar Lighting



Residential & Campus Solar Lighting



Other Solar Lighting Applications



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STREET LIGHT BATTERY (12V series)



Traditional solar street light uses lead acid battery which has a very short life cycle and is difficult to maintain. It creates massive environmental pollution and has a very low ROI. Lithium-ion batteries we use have 3 times the life cycle and 4 times the discharge of lead-acid batteries, and it isn't harmful for environment.

Lithium ion batteries need a proper BMS(battery management system) to avoid barrel effect. We use our own patent BMS, extend battery life span to over 6 years, improve greatly ROI, and improve energy efficiency.

When the optional extreme low temperature protection device is installed, it can work at -20 C, it is suitable for alpine regions.

Lithium-ion Battery



Eco-friendly lithium battery



Over 2000 times cyclic charge-discharge



Over 8 years battery life span



PRODUCT SPECIFICATIONS

		SPECIFICATION STREET LIGHTING BATTERY							
No	Item	Unit	BB-1224	BB-1230	BB-1236	BB-1242	BB-1254	BB-1260	
1	Cell Model	-	LFP 32700 6Ah, 3.2V						
2	Combination Mode	-	4P4S	5P4S	6P4S	7P4S	9P4S	10P4S	
3	Nominal Capacity	Ah	24	30	36	42	54	60	
4	Minimum Capacity	Ah	22,8	28,5	34,2	40	51,3	57	
5	Rated Energy	Wh	307,2	384	460,8	537,6	691,2	768	
6	Initial Internal Resistance	mΩ	<90	<90	<80	<80	<75	<70	
7	Rated Voltage	V	12,8						
8	Recommended Charging Voltage	V	14						
9	Maximum Charge Voltage	V	14,6						
10	Recommended Discharge Voltage	V	11,8						
11	Minimum Discharge Voltage	V	10						
12	Standard Charge Current	A	12						
13	Maximum Charge Current	A	≤15						
14	Standard Discharge Current	A	12						
15	Maximum Discharge Current	A	≤15						
16	Operating Temperatur	°C	-20 °C + 60°C						
17	Delivery Voltage	V	12.8- 14.8						
18	Shell Type	-	PVC + Epoxy Resin Plate						
19	Weight	kg	2.7+0.5	3.5+0.5	4.0+0.5	4.5+0.5	5.8+0.5	6.5+0.5	
20	Physical Dimensions (LxWxH)	mm	150x140x73	185x140x73	220x140x73	254x140x73	322x140x73	350x140x73	

FEATURES & BENEFITS:



Up to 10 Times Life

The life span of our lithium battery is 10 times longer than lead acid battery.



60% Faster Charge

Our batteries can be charged to 100% full in one hour



70% Lighter in Weight

Lithium-ion batteries are one-third the weight of lead acid batteries



Maintenance Free

Maintenance free or automatic repair



Built In Protection

Our lithium batteries have a built in Battery Management System (BMS)



Safe Battery

No potential safety hazard of explosions and fires



100% DOD

Our battery will perform for over 2,000 cycles at 100% DOD, compared with only 500 cycles at 80% DOD of a lead acid battery



Wide Range Working Temperature

Wide adaptability from low temperature to high temperature



Warranty

3 years manufacturer's defect warranty

INCLUDES BUILT IN BATTERY PROTECTION:

Intelligent Steady State Controller

In-house R&D innovative controller which can regulate output power intelligently and adapt to various weather.

Overall Protection



Over current



Over voltage



Over charge



Over discharge



Thermal protection



Over load