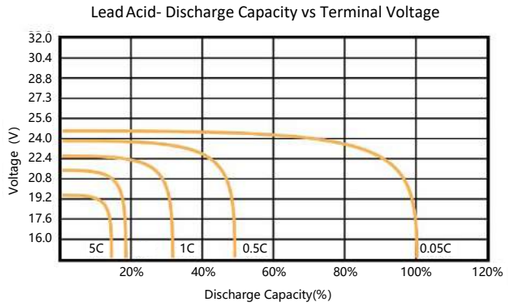
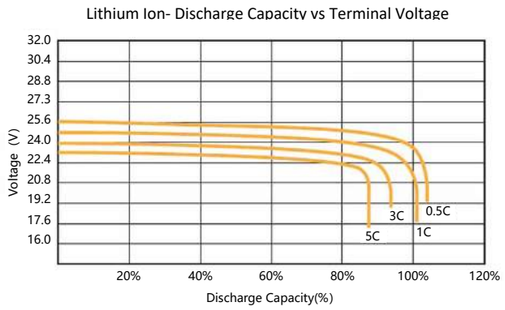
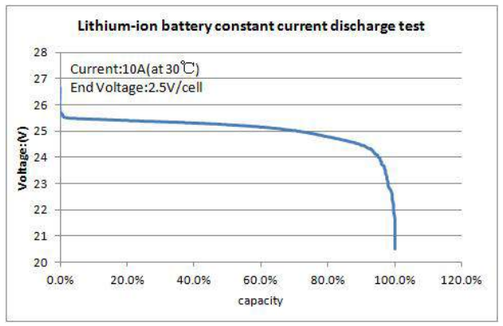
STREET LIGHT BATTERY

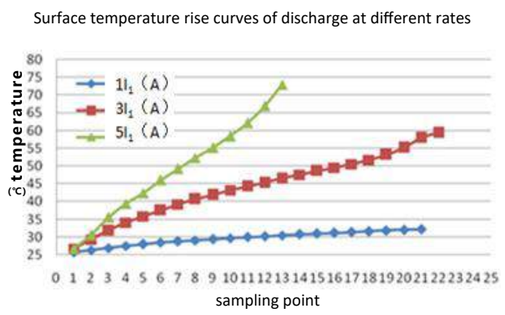
Discharge capacity analysis





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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BIRUBATT

STREET LIGHT BATTERY(25.6V 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℃, it is suitable for alpine regions.

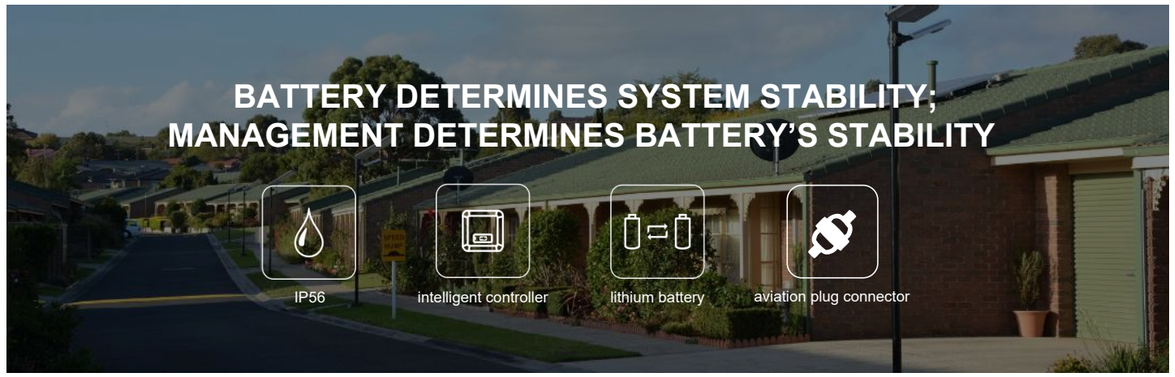
LiFePO4
Lithium-ion Battery

Eco-friendly lithium battery

Over 2000 times cyclic charge-discharge

8 YEARS
Over 8 years battery life span

STREET LIGHT BATTERY



PRODUCT SPECIFICATIONS

SPECIFICATION STREET LIGHTING BATTERY							
No.	Item	BB-2424	BB-2430	BB-2436	BB-2442	BB-2454	BB-2460
1	Cell Model	LFP32650 6Ah 3.2V					
2	Combination Mode	4P8S	5P8S	6P8S	7P8S	9P8S	10P8S
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)	614,4	768	921,6	1075,2	1382,4	1536
6	Initial Internal Resistance (mΩ)	<90	<90	<80	<80	<75	<70
7	Rated Voltage (V)	25,6					
8	Recommended Charging Voltage (V)	28V					
9	Maximum Charge Voltage (V)	29,2					
10	Recommended Discharge Voltage (V)	23.5V					
11	Minimum Discharge Voltage (V)	20					
12	Standard Charge Current (A)	12					
13	Max. Charge Current (A)	≤15					
14	Standard Discharge Current (A)	12					
15	Max. Discharge Current (A)	≤15					
16	Operating Temperature (℃)	-0~+45 ℃					
		-20~ +60 ℃					
17	Delivery Voltage (V)	25.6-27.2					
18	Shell type	PVC+Epoxy resin plate					
19	Weight (kg)	5.5+0.5kg	6.6+0.5kg	8+0.5kg	9+0.5kg	10.3+0.5kg	11.5+0.5kg
20	Physical dimensions L*W*H (mm)	288*140*73	288*175*73	288*209*73	288*242*73	288*312*73	288*346*73

PRODUCT BROCHURE

STREET LIGHT BATTERY

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