BRIGHTWAY LED Lighting

LED SOLAR STREET LIGHT – RB Series SLD (BAA / BABA)



PRODUCT OVERVIEW

Solar energy is a green renewable and clean energy that is pollution-free, noise-free and inexhaustible. When solar panels receive sunlight, they generate photovoltaic effects to generate electrical energy that uses a controller to store in a battery. After the sun sets, the batteries discharge stored electricity to power LED lights.

FEATURES

- The patented design integrates an A-type Lithium battery pack and lamp body controller.
- Fully automatic intelligent light control, time control and remote-control function. Charges during the day and automatically generates light at night.
- One-piece aluminum housing, high efficiency light source, full power solar panel.
- Anti-corrosion coating.
- IP65 waterproof.
- Lightning/surge protection.
- Easy to install – no wiring required.
- Mounts to poles, walls, roof, columns or anywhere exposed to sunlight.
- Solar panel efficiency conversion rate of 18% or more.
- Normal sunshine charging more than 8 hours can supply 3-4 rainy days and evening (12 hours per night).

APPLICATIONS

- Highways
- City streets
- Rural roads
- Parking lots
- Courtyard lighting
- Driveways

BAA COMPLIANT BABA COMPLIANT

Buy America Act and Build America Buy America certified.

Product Description

PART#	DESCRIPTION	MAX POWER	RANGE	LED QTY	BATTERY
BB-SLD-50W-A2	50W LED Solar Powered Area Light	18V/40W	40m^2	96	12.6V/18AH
BB-SLD-80W-A2	80W LED Solar Powered Area Light	18V/50W	60m^2	144	12.6V/22AH
BB-SLD-100W-A2	100W LED Solar Powered Area Light	18V/70W	80m^2	192	12.6V/30AH
BB-SLD-200W-A3	200W LED Solar Powered Area Light	18V/100W	80m^2	192	12.6V/36AH

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Specifications

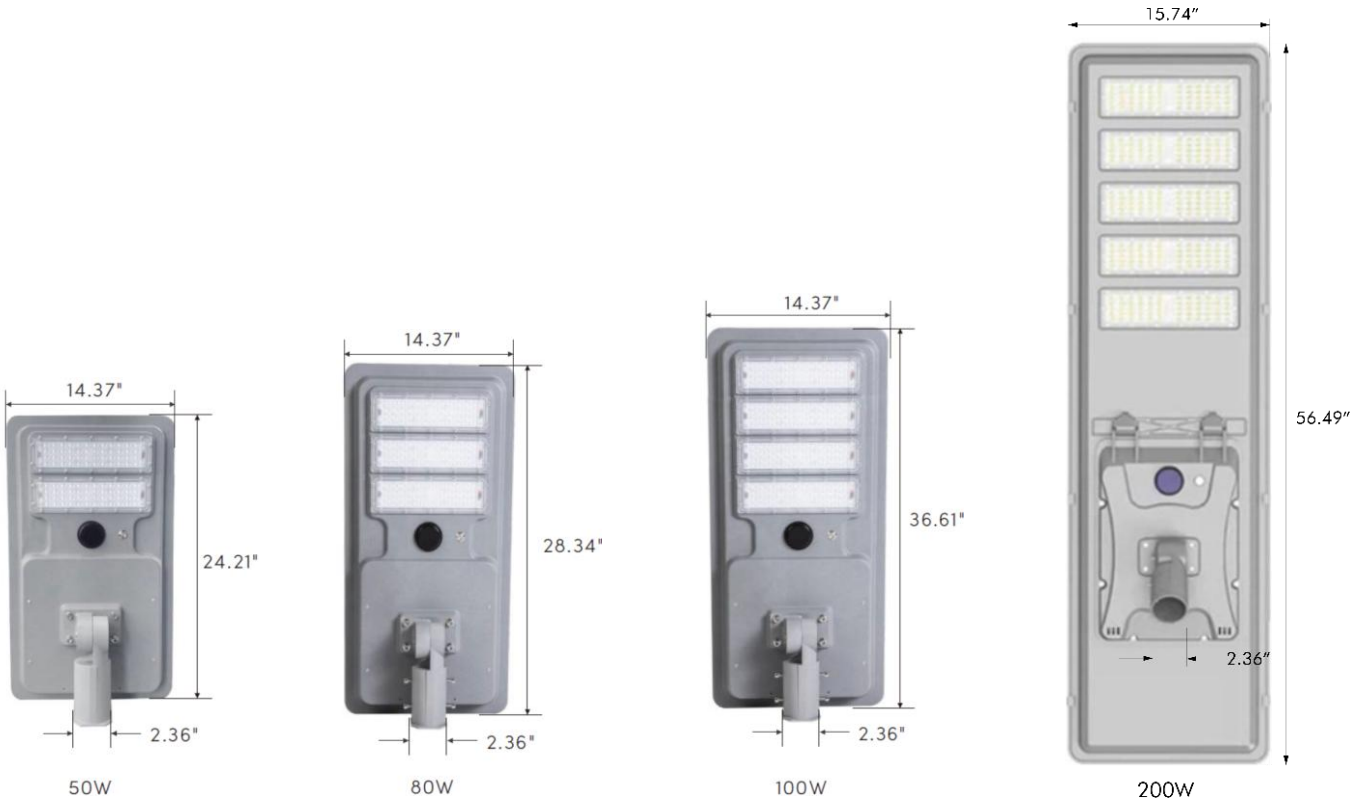
MODEL#	BB-SLD-50W-A2	BB-SLD-80W-A2	BB-SLD-100W-A2
Power	50W	80W	100W
Solar Panel Max Power	18V/40W	18V/50W	18V/70W
Luminous Flux	6000lm	9600lm	12000lm
Lamp Size	615*365*160mm	720*365*160mm	930*365*160mm
Range	40m^2	60m^2	80m^2
Mounting Height	3-4m	5-6m	6-7m
LED Quantity	96pcs	144pcs	192pcs
Battery (Lithium Iron)	12.8V/12AH	12.8V/18AH	12.8V/24AH
Efficacy	120lm/W		
Sensor	Motion sensor, photocell		
Controller	PWM controller, MPPT controller optional		
Material	High-quality aluminum alloy housing		
Discharge Time	More than 12 hours		
Charge Time	6-8 hours (with adequate sunlight)		
Solar Cell	High efficiency single silicon solar panel		
Light Source	SMD LED		
Operating Temperature	-40 to +55^{0}C		
CCT	2700K SW / 3000K WW / 4100K NW / 5000K DW / 5700K CW		
CRI	70+		
Material	Metal alloy + PC lens		
Color	Silver/bronze (customized)		
Lifespan	50,000 hours		
Ingress Protection	IP65		
Beam Angle	120^0		
Warranty	3 years		

Ordering Information

SERIES	WATTS	VERSION	CONTROL	CCT	INSTALLATION	COLOR
BB-SLD	50W 80W 100W 200W	A2 A3	Blank - Photocell Sensor Motion Sensor	SW-2700K WW-3000K NW-4100K DW-5000K CW-5700K SCW-6500K	A – Round pole mounting B- Bracket Mounting C – Aluminum sleeve mounting	Silver Bronze (Customized)

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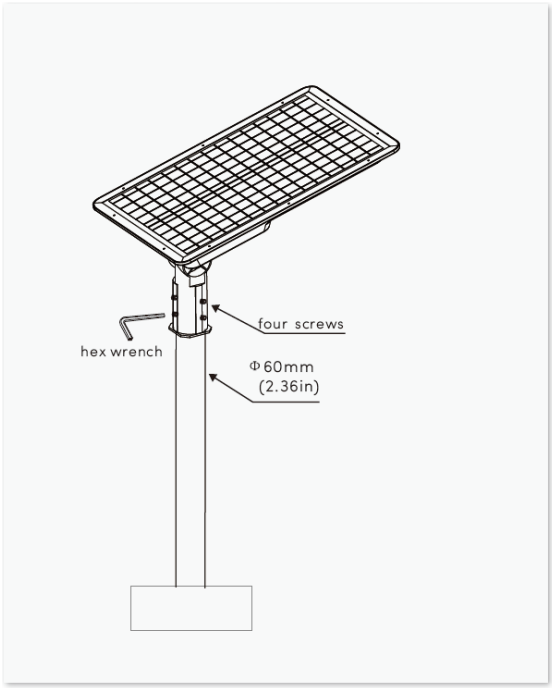
Dimensions



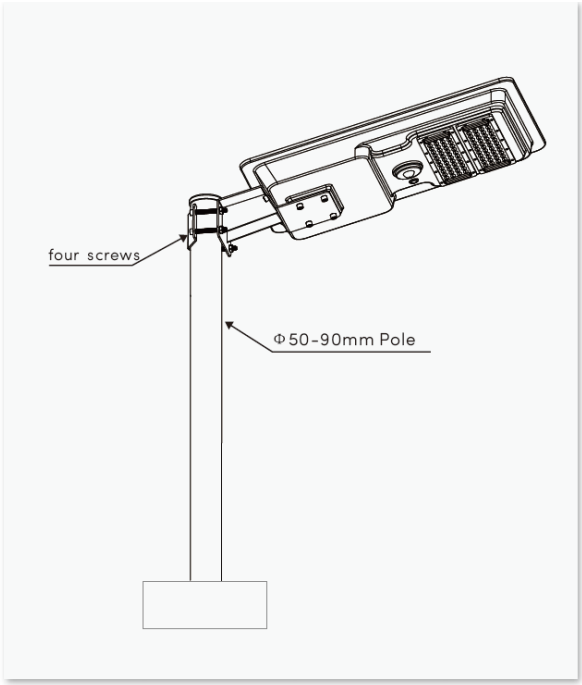
Feature Detail



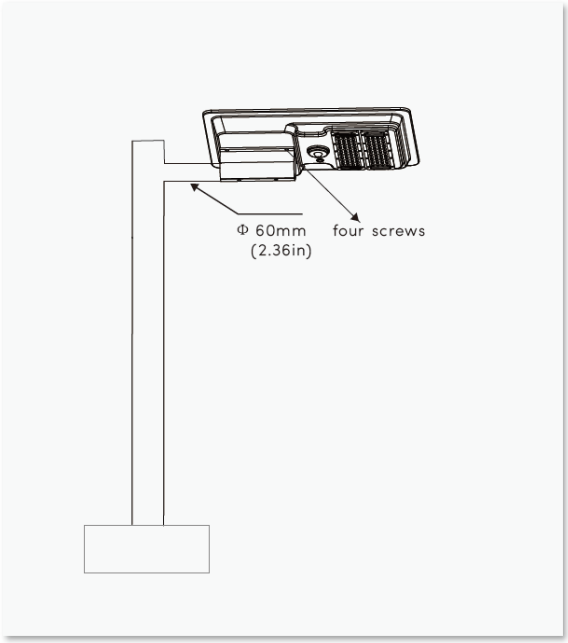
Installation



1.Round pole Mounting



2.Bracket Mounting



3.Aluminum sleeve mounting

