



Bluesmart

Smart Solar Street Light



**AIRSHIP SERIES
SPECIFICATION 2017**

Solar Airship Light

The Airship Light is a high powered 'All in One' modular solar street and area light with a streamlined and modern appearance that easily attaches to the top of a round pole without the need for any further wiring or additional components. It uses an integrated high capacity LiFePO4 Lithium Iron Battery along with a 'high output' LED adjustable light source mounted underneath the solar panel that is perfect for illuminating open space areas.

Applications

- Street & Public Area Lighting
- Bike & Pathways
- Pedestrian & Rail crossing
- Temporary & Event Lighting
- Construction Sites
- Rural & Remote Area Lighting
- Security & Perimeter Lighting
- Jetties, Boardwalks, Pontoons & Boat ramps



LED outputs ranging from 15W to 100W.

INSTALLATION

Easily installs on the top of pole without any drilling or wiring of other components.



SIZES

Solar Panels available in a choice of sizes from 40W to 130W output

Smart Solar LED lighting Solution

CE

ROHS

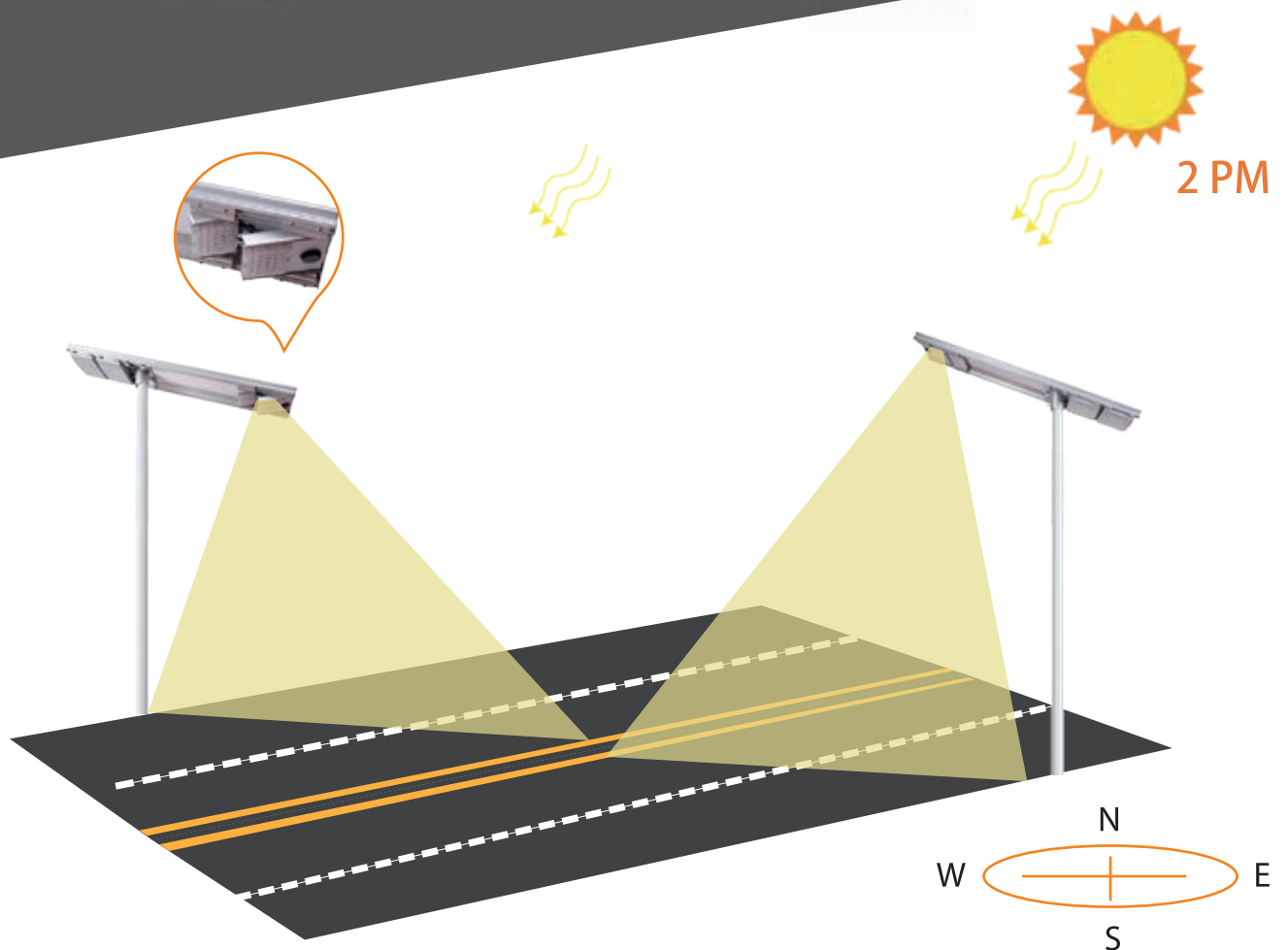
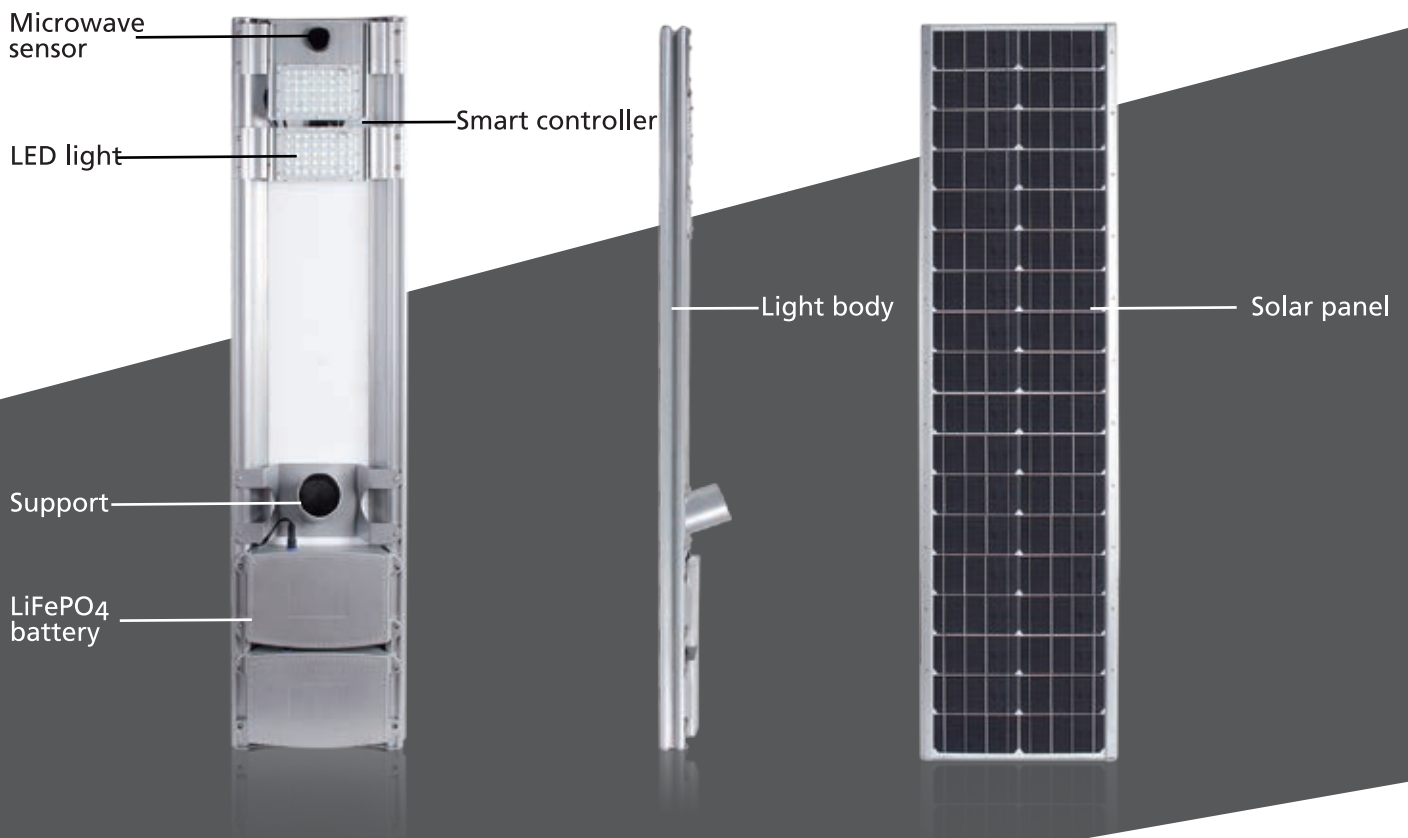
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IP67

50,000 HOURS

ECO

26kg MAX.MASS



Airship Integrated Solar Street lights

All-in-One, Plug and Play Lighting

Feature



'Airship'shape light body, 'All In One' streamlined and modern appearance.



All die-cast aluminum light body with zinc plated anti-corrosion, no need to worry about coastal application.



Perfect modular structural design, the battery, led light, and solar panel units are all detachable, and can be easily replaced.



Our weather predictability feature enables our lights to function during low energy periods.



Benefits



Led power, battery capacity can be easily increased or decreased, convenient for customized specification.



Lower installation costs, no need for trenching and cabling.



Powered by clean energy, our solar street lights cut your electricity cost to zero.



Bluesmart's wireless lighting management software , reduces your maintenance cost by 80%



Microwave motion sensor, illumination levels will automatically be regulated from a 'dim-mode' to 'full-brightness' when it detects movements.



Humanized intelligent Remote Control Technology

Default is M mode, you can choose the best mode according to different sunshine conditions, (Customized working mode with respect to customer's different requirement)



Light control	100%-1hr, 70%-3hrs, 20% till dawn.
Time control	100%-2hrs, 70%-2hrs, 50%-2hrs.
Microwave control	100% if people come close, 30% far away.
Time+ Microwave control	100%-2hrs, 70%-2hrs, 50%-2hrs, sensor working 50%, if people come close, 20% far away.

A simple and quick installation



fits standard pole ϕ65-75mm

Solar Airship Light

Smart All In One Solar Street Lighting Solutions

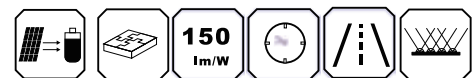
Technical specification

Model		BS-AS-15	BS-AS-20	BS-AS-30	BS-AS-40	BS-AS-50	BS-AS-60	BS-AS-80	BS-AS-100
Lighting Parameters	Power	15 W	20 W	30 W	40 W	50 W	60 W	80 W	100 W
	Lumen	1950/2250 lm	2600/3000 lm	3900/4500 lm	5200/6000 lm	6500/7500 lm	7800/9000 lm	10400/12000 lm	13000/15000 lm
	OCT	6500 K							
Physical Parameters	Solar Panel (Monocrystalline)	40 W/18V	45 W/18 V	55 W/18 V	65 W/18 V	80 W/18 V	90 W/18 V	110 W/18 V	130 W/18 V
	LiFePO ₄ Battery	15 AH/12.8 V	18 AH/12.8 V	21 AH/12.8 V	27 AH/12.8 V	33 AH/12.8 V	39 AH/12.8 V	21AH/125.6V	24AH/25.6V

Suggested installation distance

Model		BS-AS-15	BS-AS-20	BS-AS-30	BS-AS-40	BS-AS-50	BS-AS-60	BS-AS-80	BS-AS-100				
Installation Suggestion	Mounting Height Range	3-4 m	4-5 m	5-6 m	6-7 m	7-8 m	7-8m	8-9m	8-10m				
	Installation Distance Range	10-13 m	13-16 m	16-19 m	19-23m	23-27 m	27-31m	30-35 m	35-40 m				
	Upper Diameter	65-75 mm											
Measurements	LengthxWidthxHeight [mm]	780x360x150		1000x360x150		1200x360x150		1480x360x150		1760x360x150		1960x360x150	
	Gross wigh (kg)	12	13	15	16	17	20	23	26				

The general technical specification in all models:



Characteristics	Technical Specification	
Lighting Parameters	Light Distribution	Batwing
	Viewing Angle	140° x 70°
	CRI	>75 RA
	Light Control Voltage	5 V
	Working Time	full power 9hs saving mode Continuously 4 - 5 rainy days , 12 hours per night
Physical Parameters	Sensor Type	Microwave Detection(By radar)
	Detection Distance	≤25m
	Delay Time	10seconds (optional)
	Control Modes	Light control / Time control / Microwave control/ Time +Microwave control
	Charging Time	6 -8 hs sunshine directly
	Discharging Time	60 hours
	Material of Light	Aluminum alloy
Work Temperature	Chip Lifetime	≥5000hours
	Charge Temperature	-25°C ~ 65°C
	Discharge Temperature	-20°C ~ 45°C
	Storage Temperature	-20°C ~ 45°C

