

# Solar Bollard Light



Our Solar bollards are ideal for residential and commercial pathway applications. Our bollard lamps main goal is too offer a real and efficient lighting alternative to on grid lighting. All of our bollards offer equal or better efficiency to classic lights. Our outdoor solar bollard light is ideal for solar pathway lighting, private road lighting, area lighting, gate lighting, yard lighting, campus lighting, farm and ranch lighting, fence lighting and more.

- All in one built in solar panel, battery and LEDs
- Mono Crystalline solar cell gain to max solar energy, high efficiency solar panel can ensure fast charging
- Certified by CE and ROHS with LED chips providing qualify lighting and 50000+ hours lifespan with super bright illumination
- Smart power management for rainy days, automatic day and night detection
- 0 carbon dioxide emissions
- Lithium LifePo4 with lifetime up to 12 years
- 140 Lumens per watt and IP65 rated
- 5 Years warranty in all components



AVS-BL-015



AVS-BL-013



AVS-BL-018



AVS-BL-019



AVS-BL-005



# Solar Bollard Light

## Specifications

Model #	SKU #	Power	PV Type	Solar Panel	Lithium Battery	Lumens	CCT	Fixture Height	IP Rating	Material
AVS-BL015	787900	1.8W	MONO	4.5W	4.5AH / 6.4V	250 LM	5000K	3.3 FT	IP65	ALUMINIUM
AVS-BL013	787901	3.5W	MONO	6W	4.5AH / 6.4V	420 LM	5000K	2.6 FT	IP65	ALUMINIUM
AVS-BL018	787902	3W	MONO	4.5W	4.5AH / 6.4V	250 LM	5000K	2.6 FT	IP65	ALUMINIUM
AVS-BL019	787903	3.5W	MONO	4.5W	4.5AH / 6.4V	420 LM	5000K	2.6 FT	IP65	ALUMINIUM
AVS-BL005	787904	1.8W	MONO	4.5W	4.5AH / 6.4V	250 LM	5000K	2.6 FT	IP65	ALUMINIUM

### SAVINGS

INSTALLATION, ENERGY, UTILITY, AND MAINTENANCE.

NO ELECTRICITY CONSUMPTION NO COST NO TRENCHING NO CABLING

The Solar Bollard Lights are produced at a state-of-the-art production line and assembled into high quality, long-lasting lighting. All of our bollard lights include a reinsured warranty, making them one of the best values in the solar lighting industry.



ANTI BLACK  
OUT



LITHIUM  
LIFE PO4

## Advantages

- Quick, easy installation
- Grade A Solar PV Panel
- Works for 23 Hours After 6 Hour Full Charge

## Applications

- Garden / Residence / Courtyard
- Sidewalks / Pathways
- Parking Lots

## Battery Settings

- Lithium LIFEPO4  
4.5 AH / 6.4V

## Correlated Color Temperature

5000K



Cool White

Neutral White

Warm White



# Solar Bollard Light

## Product Design and Benefits



AVS-BL-015



AVS-BL-013



AVS-BL-018



AVS-BL-019



AVS-BL-005



# Solar Bollard Light

## Product Design and Benefits



### BATTERY LITHIUM LIFEPO4

The Eco-friendly and safe LiFePO4 battery improves the cyclic charge and discharge over 2000 times and has a life span of more than 10 years.



### BATTERY MANAGEMENT SYSTEM

Electronic Algorithm Protection and battery management system for best use of the battery capacity.



### MULTI PROTECTION



OVER LOAD



OVER CURRENT



OVER TEMPERATURE



OVER VOLTAGE



OVER CHARGE



OVER DISCHARGE



### SMART CONTROLLER 97% CHARGING EFFICIENCY

Smart controller automatically track the maximum power point according to the weather variation.

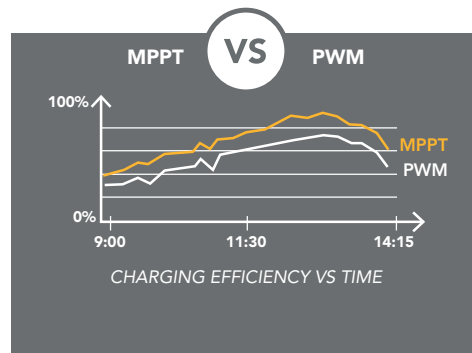
Charging rate : 16-30%



Waterproof resistant

IP68

LIFEPO4	VS	LI ION
Over 2000 cycles	⌚	Over 500 cycles
No Risk of Explosion	✓	Very High Risk Explosion in High Temperature
14 to 167°F	🌡️	32 to 113°F
Over 10 Years	📅	24 to 32 Months
	💰	50% Cheaper than LiFePO4



# Solar Bollard Light

## Product Design and Benefits



### AUTOMATIC OPERATION

Photosensor  
Integrated  
Day and night  
detection,  
Automatic Power  
ON & Off



### EASY INSTALLATION

No Wiring  
or trenching  
needed for  
installation



### AUTONOMY

23 Hours operation  
at full Charge.  
Smart Management  
3 Rainy Back Up



### SECURITY & SAFETY

Light back up  
in case of  
power shortage

## AVS-BL015 SOLAR LAWN LAMP

250 LUMENS



Wattage  
**1.8 WATTS LED**  
Battery  
**LITHIUM LIFEPO4 4.5 AH 6.4 VOLTS**

Pv Panel  
**4.5 WATTS GRADE A**

Charging Time  
**6 HOURS PER DAY**

Material  
**DIE CAST ALUMINIUM**

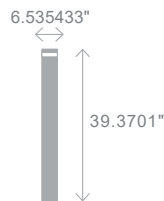
CCT  
**5000 K**

Autonomy  
**23 HOURS AT FULL CHARGE**

Height  
**39.3701"**

Finish  
**BLACK**

Optional  
**PIR SENSOR**



## AVS-BL013 SOLAR LAWN LAMP

420 LUMENS



Wattage  
**3.5 WATTS, LED FILAMENT BULB**  
Battery  
**LITHIUM LIFEPO4 4.5 AH 6.4 VOLTS**

Pv Panel  
**6 WATTS GRADE A**

Charging Time  
**6 HOURS PER DAY**

Material  
**DIE CAST ALUMINIUM**

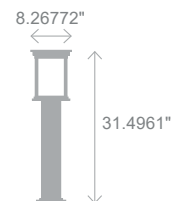
CCT  
**5000 K**

Autonomy  
**23 HOURS AT FULL CHARGE**

Height  
**31.4961"**

Finish  
**BLACK**

Optional  
**PIR SENSOR**



# Solar Bollard Light

## Product Design and Benefits

### AVS-BL018

SOLAR LAWN LAMP

250 LUMENS



Wattage  
**3 WATTS LED**

Battery  
**LITHIUM LIFEPO4 4.5 AH 6.4 VOLTS**

Pv Panel  
**4,5 WATTS GRADE A**

Charging Time  
**6 HOURS PER DAY**

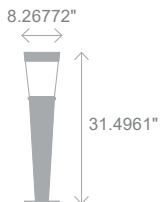
Material  
**DIE CAST ALUMINIUM**

CCT  
**5000 K**

Autonomy  
**23 HOURS AT FULL CHARGE**

Height  
**31.4961"**

Finish  
**BLACK**



### AVS-BL019

SOLAR LAWN LAMP

420 LUMENS



Wattage  
**3.5 WATTS LED**

Battery  
**LITHIUM LIFEPO4 4.5 AH 6.4 VOLTS**

Pv Panel  
**4,5 WATTS GRADE A**

Charging Time  
**6 HOURS PER DAY**

Material  
**DIE CAST ALUMINIUM**

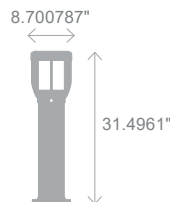
CCT  
**5000 K**

Autonomy  
**23 HOURS AT FULL CHARGE**

Height  
**31.4961"**

Finish  
**BLACK**

Optional  
**PIR SENSOR**



### AVS-BL005

SOLAR LAWN LAMP

250 LUMENS



Wattage  
**1.8 WATTS LED**

Battery  
**LITHIUM LIFEPO4 4.5 AH 6.4 VOLTS**

Pv Panel  
**4.5 WATTS GRADE A**

Charging Time  
**6 HOURS PER DAY**

Material  
**DIE CAST ALUMINIUM**

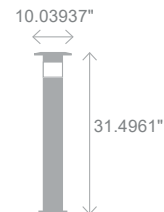
CCT  
**5000 K**

Autonomy  
**23 HOURS AT FULL CHARGE**

Height  
**31.4961"**

Finish  
**BLACK**

Optional  
**PIR SENSOR**



SOLAR PATHWAY LIGHTS





# Solar Bollard Light

## Product Design and Benefits



### Super Bright Light Output

High lumen output to illuminate any garden, courtyard, or residence area. Also perfect for sidewalks, pathways, and parking lots to increase safety and visibility of dark walking paths.

### Durable and Long Lifespan

Certified by CE and ROHS with LED chips providing quality lighting and 50000+hours lifespan with super bright illumination.

### Guaranteed Fast Charging

A grade mono-crystalline solar cell gain to max solar energy. High efficiency solar panel can ensure fast charging.



High Light Output



Energy Protection



Solar Energy



Long Run Time

SOLAR BOLLARD LIGHTS					
Model No.	AVS-BL-015	AVS-BL-013	AVS-BL-018	AVS-BL-019	AVS-BL-005
Wattage	1.8W	3.5W	3W	3.5W	1.8W
Lumens	250Lm	420Lm	250Lm	420Lm	250Lm
Solar Panel Spec	3.5W	6W	4.5W	4.5W	9.5W
Battery Capacity	4.5AH / 6.4V	4.5AH / 6.4V	4.5AH / 6.4V	4.5AH / 6.4V	4.5AH / 6.4V
CCT	5000K	5000K	5000K	5000K	5000K
Charging Time	6 Hours Per Day	6 Hours Per Day	6 Hours Per Day	6 Hours Per Day	6 Hours Per Day
Discharging Time	>36Hrs	>36Hrs	>36Hrs	>36Hrs	>36Hrs
Operating Temperature	5°F to 149°F	5°F to 149°F	5°F to 149°F	5°F to 149°F	5°F to 149°F
Product Dimensions	7.09" x 39.37"	8.27" x 31.50"	10.63" x 31.50"	10.63" x 31.50"	9.45" x 31.50"



# Solar Bollard Light

## Product Design and Benefits



AVS-BL-005

LED Lighting	250LM 1.8 Watts, LED Filament Bulb
Battery	Lithium LifePO4 4.5 AH 6.4 Volts
PV Panel	4.5 Watts Grade A
Autonomy	23 Hours at Full Charge



AVS-BL-013

LED Lighting	420 LM 3.5 Watts, LED Filament Bulb
Battery	Lithium LifePO4 4.5 AH 6.4 Volts
PV Panel	6 Watts Grade A
Autonomy	23 Hours at Full Charge



AVS-BL-015

LED Lighting	250LM 1.8 Watts, LED Filament Bulb
Battery	Lithium LifePO4 4.5 AH 6.4 Volts
PV Panel	4.5 Watts Grade A
Autonomy	23 Hours at Full Charge



AVS-BL-018

LED Lighting	250LM 3 Watts, LED Filament Bulb
Battery	Lithium LifePO4 4.5 AH 6.4 Volts
PV Panel	4.5 Watts Grade A
Autonomy	23 Hours at Full Charge



AVS-BL-019

LED Lighting	420LM 3.5 Watts, LED Filament Bulb
Battery	Lithium LifePO4 4.5 AH 6.4 Volts
PV Panel	4.5 Watts Grade A
Autonomy	23 Hours at Full Charge





# Solar Bollard Light

SOLAR PATHWAY LIGHTS





# Solar Bollard Light



SOLAR PATHWAY LIGHTS

