

TITAN™

Solar Bollard Light



Our Solar Titan Bollards are ideal for residential and commercial pathway applications. Our bollard lamps main goal is to offer a real and efficient lighting alternative to on grid lighting. All of our Titan 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 & 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 quality 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 limited warranty in all components



AVS-BL-015



AVS-BL-013



AVS-BL-018



AVS-BL018-GREY



AVS-BL-019



AVS-BL-005



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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	ALUMINUM
AVS-BL013	787901	3.5W	MONO	6W	4.5AH / 6.4V	420 LM	5000K	2.6 FT	IP65	ALUMINUM
AVS-BL018	787902	3W	MONO	4.5W	4.5AH / 6.4V	250 LM	5000K	2.6 FT	IP65	ALUMINUM
AVS-BL018-Grey	787902-1	3W	MONO	4.5W	4.5AH / 6.4V	250 LM	5000K	2.6 FT	IP65	ALUMINUM
AVS-BL019	787903	3.5W	MONO	4.5W	4.5AH / 6.4V	420 LM	5000K	2.6 FT	IP65	ALUMINUM
AVS-BL005	787904	1.8W	MONO	4.5W	4.5AH / 6.4V	250 LM	5000K	2.6 FT	IP65	ALUMINUM

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



TITAN™ Solar Bollard Light

Product Design and Benefits



AVS-BL-015



AVS-BL-013



AVS-BL-018



AVS-BL018-Grey



AVS-BL-019



AVS-BL-005



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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

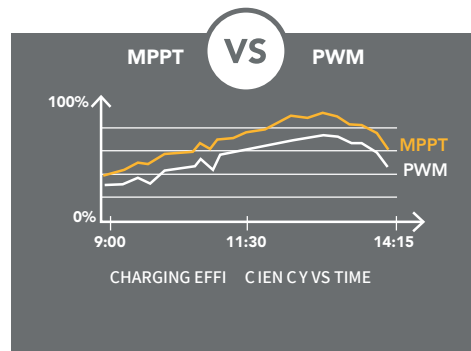
Smart controller automatically track the maximum power point according to the weather variation.

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



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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

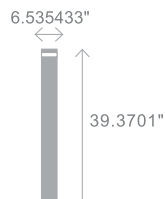
CCT
5000 K

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

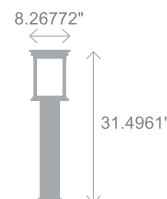
CCT
5000 K

Autonomy
23 HOURS AT FULL CHARGE

Height
31.4961"

Finish
BLACK

Optional
PIR SENSOR



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

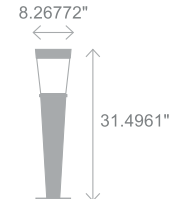
CCT
5000 K

Autonomy
23 HOURS AT FULL CHARGE

Height
31.4961"

Finish
BLACK

Optional
PIR SENSOR



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Solar Bollard Light

Product Design and Benefits

AVS-BL018-Grey

SOLAR LAWN LAMP

250 LUMENS



Wattage
3 WATTS LED

Battery
LITHIUM LIFEPO4 4.5 AH 6.4 VOLTS

Pv Panel
3 WATTS GRADE A

Charging Time
6 HOURS PER DAY

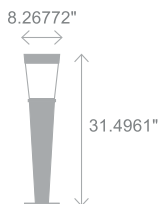
Material
DIE CAST ALUMINIUM

CCT
5000 K

Autonomy
23 HOURS AT FULL CHARGE

Height
31.4961"

Finish
GREY



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

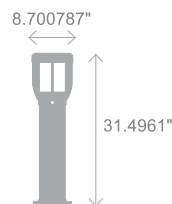
CCT
5000 K

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

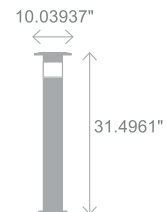
CCT
5000 K

Autonomy
23 HOURS AT FULL CHARGE

Height
31.4961"

Finish
BLACK

Optional
PIR SENSOR



SOLAR PATHWAY LIGHT



TITAN™

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-BL018-GREY	AVS-BL-019	AVS-BL-005
Wattage	1.8W	3.5W	3W	3W	3.5W	1.8W
Lumens	250Lm	420Lm	250Lm	250Lm	420Lm	250Lm
Solar Panel Spec	3.5W	6W	4.5W	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	4.5AH / 6.4V
CCT	5000K	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	6 Hours Per Day
Discharging Time	>36Hrs	>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	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"	10.63" x 31.50"	9.45" x 31.50"



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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



SOLAR PATHWAY LIGHT



TITAN™ Solar Bollard Light



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-BL018-GREY

LED Lighting	250LM 3 Watts, LED Filament Bulb
Battery	Lithium LifePO4 4.5 AH 6.4 Volts
PV Panel	3 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



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Solar Bollard Light



SOLAR PATHWAY LIGHT



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SOLAR PATHWAY LIGHT

