

HIGHLIGHT ALPHA WAVE

Specifications



Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.



The SolarPath HIGHLIGHT ALPHA-WAVE™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. Whether the goal is large area or mid-size to major roadway clarity, our intense and bright full-spectrum lighting the HIGHLIGHT ALPHA-WAVE™ brings solar lighting performance and sustainability to the next level.

Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 600W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	Extreme temperature Deep Cycle AGM / Gel-Cell	Up to 200AH
	Battery Enclosure	Mount at Top/Middle Or In-Ground Pole (Depends on battery Weight)
LED Light Parameters	Light Source Power	Up to 150W (Up to 19,500 lm)
	CCT (Correlated color temperature)	3,000K-5,700K
	Distribution type	Type I, II, III, IV,V
Operation Time	Up to 72 hours (per charge cycle, programming dependent)	
Standard Operation	<ul style="list-style-type: none"> •Automatic day/night detection •Battery deep discharge and overcharge protection •False activation prevention logic •Computerized self-learning seasons change detection •Auto-adjusting battery charge algorithm according to ambient temperature sensing 	
IP Rating	IP67	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.	
Body Material	Galvanized Steel- Stainless steel and Aluminum	

FIXTURE FEATURES

- Low installation and maintenance costs.
- IP67 Rating.
- High performance 143lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure
- Aluminum housing for efficient heat dissipation
- IDA Approved
- LM 79/80



SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

ORDERING GUIDE

Ordering Guide: EXAMPLE: ALPHA-WAVE-A-50W-SLA-25-1-30K-A-50AH-GR-1-00

Model	Solar Panel Quantity	Solar Panel	LED Head	LED Power	Distribution type	LED Color Temp	Battery Quantity	Battery Options	Body Color	Arm	Options
ALPHA-WAVE	A - 1 Panel	50W	SLA	25W	1 - Type I	30K	A- 1	50AH	GR- Gray	1 - Single	1 - No motion sensor
	B- 2 Panel	65W	SLG	30W	2 - Type II	40K	B- 2	75AH	BK- Black	2 - Double	2 - With motion sensor
	C- 3 Panel	85W	SKA	40W	3 - Type III	50K	C- 3	85AH	BZ- Bronze		
	D- 4 Panel	100W	SRS	60W	4 - Type IV	57K	D- 4	100AH	WH- White		
		125W	SRL	80W	5 - Type V			150AH	*Custom		
		135W		90W				200AH			
		150W	FLA-L	120W							
			FLA-T	150W							

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