HIGHLIGHT ALPHA WAVE Specifications





Whyus?

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.

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.

Warranty





The SolarPath HIGHLIGHT ALPHA-WAVETM 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-WAVETM brings solar lighting performance and sustainability to the next level.



HIGHLIGHT ALPHA WAVE

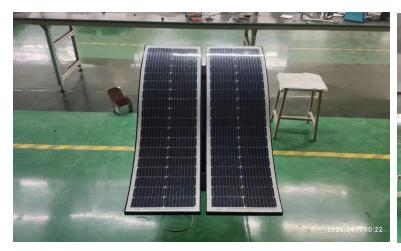
Technical specification

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Solar Module	Туре	High-efficiency Monocrystalline Silicon						
Parameters	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)						
	Light Source Power	Up to 150W (Up to 19,500 lm)						
LED Light Parameters	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	 Automatic day/night detection Battery deep discharge and overcharge protection False activation prevention logic 							
	False activation prevention logicComputerized 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 B- 2 Panel C- 3 Panel D- 4 Panel	50W 65W 85W 100W 125W 135W	SLA SLG SKA SRS SRL FLA-L FLA-T	25W 30W 40W 60W 80W 90W 120W	1 - Type I 2 - Type II 3 - Type III 4 - Type IV 5 - Type V	30K 40K 50K 57K	A- 1 B- 2 C- 3 D- 4	50AH 75AH 85AH 100AH 150AH 200AH	GR- Gray BK- Black BZ- Bronze WH- White *Custom	1 - Single 2 - Double	No motion sensor With motion sensor



*Up on request

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