



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. The Alpha-Wave has a flexible solar panel.

Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High performance Cree 1W LEDs with 130lm/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
- Approved IDA
- LM 79/80
- UL Certified

Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

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	25	1- Type I	30k	A- 1	50AH	GR- Gray	1- single	00 - not required
	B- 2 Panel	65W	SLG	30	2- Type II	40k	B- 2	75AH	BK- Black	2- double	01 - motion sensor
	C- 3 Panel	85W	SKA	40	3- Type III	50k	C- 3	85AH	BZ- Bronze		
	D- 4 Panel	100W	FLA-L	60	4- Type IV	57k	D- 4	100AH	WH- White		
		125W	FLA- T	80	5- Type V	150AH		Custom			
		135W		90		200AH					
		150W		120							
			150								

Technical Specifications

Lighting and Operation	
Lighting Technology	LED Street Light Technology
Brightness	Up to 19500 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	I, II, III, IV, V
Standard operation features	<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
Operation time	up to 72 hours (per charge cycle, programming dependent)
Battery Enclosure	Mount at Top/Middle Or In-Ground Pole (Depends on battery Weight)
Energy Collection and Storage	
Solar panel type	Mono/ Poly Crystalline Silicon, Up to 600W (Location Specific)
Battery type	Extreme temperature Deep Cycle AGM / Gel-Cell
Voltage / Current	12VDC/24VDC
Materials	
Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP67
Optional Features	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.



Legal Clarification: All technical information and/or products listings and/or technical support, and/or any kind of graphics, illustrations and/or instructions and/or the names, trade names, trademarks, trade symbols, service marks, logos, icons and trade dress of SolarPath Inc or in connection to SolarPath Inc or any of its selling products, contained herein is in the exclusive ownership of SolarPath Inc and may not be alternated and/or used in any manner including but not limited to copy of some or all of the said material by users and/or viewers or any third party for that matter of this document and the website to which it is linked without the express prior written permission of SolarPath Inc. Furthermore, redistribution or any kind of commercial use or alternation or any kind of use other than downloading presented information in some or all contents of downloadable documents, and/or downloadable contents, is strictly prohibited without express written prior permission. All information set out herein is subject to changes as may occur from time to time. SolarPath Inc is not responsible for, and cannot guarantee and shall not be held liable for any information or the accuracy of such in websites that it does not manage.