



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.

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

Uses and Applications Guide

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

Technical Specifications

Lighting and Operation	
Lighting Technology	LED Street Light Technology
Brightness	Up to 19,500 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.

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	00 - not required
	B- 2 Panel	65W	SLG	30W	2- Type II	40K	B- 2	75AH	BK- Black	2- double	01 - 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	FLA-L	90W				200AH			
		150W	FLA-T	120W							
				150W							



* Up on request

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