

HIGHLIGHT SP-OMAL

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 Lighting

We design and install solar-powered lighting systems tailored for all kinds 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 provide significant energy and cost savings.

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 SP-OMAL™ 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. This product has both a solar engine and a street light. The SP-OMAL's battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	128W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO	Up to 45AH
LED Light Parameters	Light Source Power	Up to 60W (Up to 8,800 lm)
	CCT (Correlated color temperature)	3,000K-6,000K/ Amber
	CRI (Color rendering index)	<u>≥81</u>
Control Modes	Manual ON/OFF / Automatically ON/OFF / Time Control	
Working Mode	Depend on installation area, can be programed with remote control	
IP Rating	IP66	
Motion Sensor	PIR/ Microwave Optional	
Material	Aluminum Die-casting	
Product Size	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage
Net Weight	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage

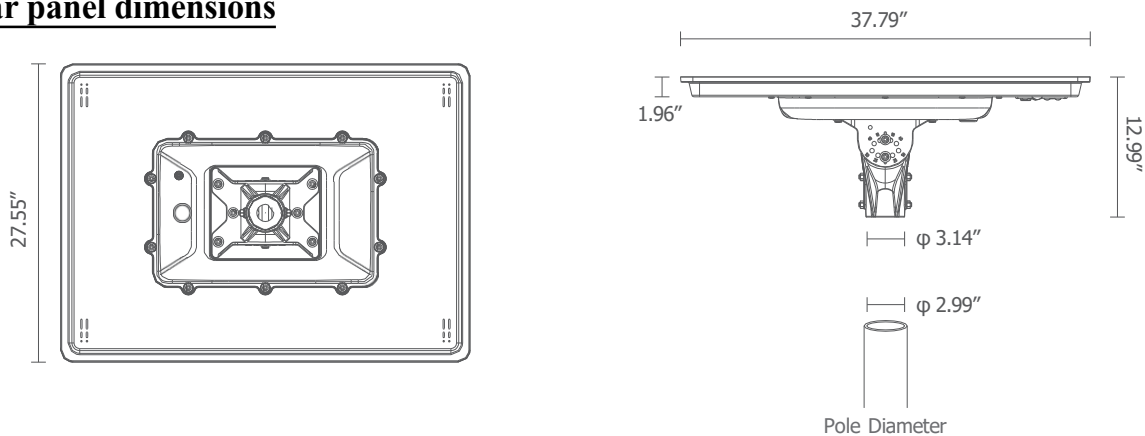
Integrated solar panels

Building on the HIGHLIGHT SP-OMAL combines elite durability and modern aesthetics for high-end solar applications. Its aerospace-grade aluminum alloy housing, IP68-rated and corrosion-resistant, protects a high-capacity LiFePO4 battery paired with the high-efficiency MPPT controller, ensuring reliable performance in extreme conditions.

The system supports seamless integration with interchangeable LED luminaires (30W-60W), offering flexibility for luxury residential, commercial, and smart-city projects. Featuring tool-free installation and customizable finishes, it balances sleek design with rugged functionality. The light head can be any model as required.



Solar panel dimensions



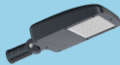
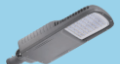
SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Streets Lighting	V
Parking Lots	V
Residential Roads	V
Public Parks	V
Sports Lighting	V

ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT SP-OMAL-128W-A-30W- -30K-24AH-BLK-12'-00

Model	Solar panel	LED Head Type	LED Power	Distribution type	LED Color Temp	Battery options	LED body color	Height	Motion sensor
HIGHLIGHT SP-OMAL	128W	A – 	30W 50W 60W	1 – Type I	30K	24AH	BLK- Black	12'	00 – No motion sensor 01 – Motion sensor
		B – 		2 – Type II	40K	36AH		17'	
		C – 		3 – Type III	60K	45AH		20'	
		D – 		4 – Type IV	*Amber			25'	
		E – 		5 – Type V	(-MOQ- 200pcs)			*Can be customize	

***Can customized per to customer requirement**



*Up on request

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