

# HIGHLIGHT HL-ML

## 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 design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.

## Technical specification

<b>Solar Module Parameters</b>	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 160W
<b>Solar Charge Controller</b>	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
<b>Battery</b>	LifePO	Up to 42AH
<b>LED Light Parameters</b>	Light Source Power	Up to 120W (Up to 16,800 lm)
	CCT (Correlated color temperature)	2,700K-6,500K/Amber
	CRI (Color rendering index)	<u>&gt;75</u>
<b>Control Modes</b>	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
<b>Working Mode</b>	Depend on customer request and solar radiation.	
<b>IP Rating</b>	IP67	
<b>Extended Application Option</b>	Wireless Remote controller	
	GPRS Integrated Management System( Remote control and monitoring)	
<b>Material</b>	Aluminum Die-casting	
<b>Product size</b>	Depend on LED and solar panel wattage	
<b>Net Weight</b>	Depend on LED and solar panel wattage	

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## USES AND APPLICATIONS GUIDE

Streets Lighting	
Parking Lots	
Residential Roads	
Public Parks	
Sports Lighting	

## Key Features

- Low installation and maintenance costs.
- IP67 Rating.
- High performance 1W LEDs with 140lm/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.
- Aluminum housing for efficient heat dissipation
- Approved IDA
- LM 79/80

## ORDERING GUIDE

Ordering Guide: HIGHLIGHT HL-ML-12W-6W-2-27K-4AH-GR-00-WL

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-ML	12W	6W	2- Type II	27K	4AH	<b>GR-</b> Gray  <b>*Other colors are available</b>	<b>00-</b> No motion sensor  <b>01-</b> Motion sensor  <b>WL-</b> Wildlife (Amber LED)  <b>S-</b> Shield
	18W	8W		30K	6AH		
	20W	10W		40K	8AH		
	30W	15W		50K	10AH		
	35W	18W		65K	15AH		
	40W	20W		A - Amber	18AH		
	45W	25W			21AH		
	60W	30W			24AH		
	80W	40W			25AH		
	90W	50W			36AH		
	110W	60W			42AH		
	120W	80W					
	160W	100W					
		120W					

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