

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 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.

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

Solar Module	Type	High-efficiency Monocrystalline Silicon
Parameters	Power	Up to 160W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO	Up to 42AH
	Light Source Power	Up to 120W (Up to 16,800 lm)
LED Light Parameters	CCT (Correlated color temperature)	2,700K-6,500K/Amber
	CRI (Color rendering index)	<u>>75</u>
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Working Mode	Depend on customer request and solar radiation.	
IP Rating	IP67	
Extended Application Option	Wireless Remote controller GPRS Integrated Management System(Remote control and monitoring)	
	110-120VAC	
Material	Aluminum Die-casting	
Product size	Depend on LED and solar panel wattage	
Net Weight	Depend on LED and solar panel wattage	

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	GR- Gray *Other colors are available	00- No motion sensor
	18W	8W		30K	6AH		01- Motion sensor
	20W	10W		40K	8AH		WL- Wildlife (Amber LED)
	30W	15W		50K	10AH		S-Shield
	35W	18W		65K	15AH		HY- Hybrid
	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					



*Up on request

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