

HIGHLIGHT HL-ML-LD

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 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.



Up on request



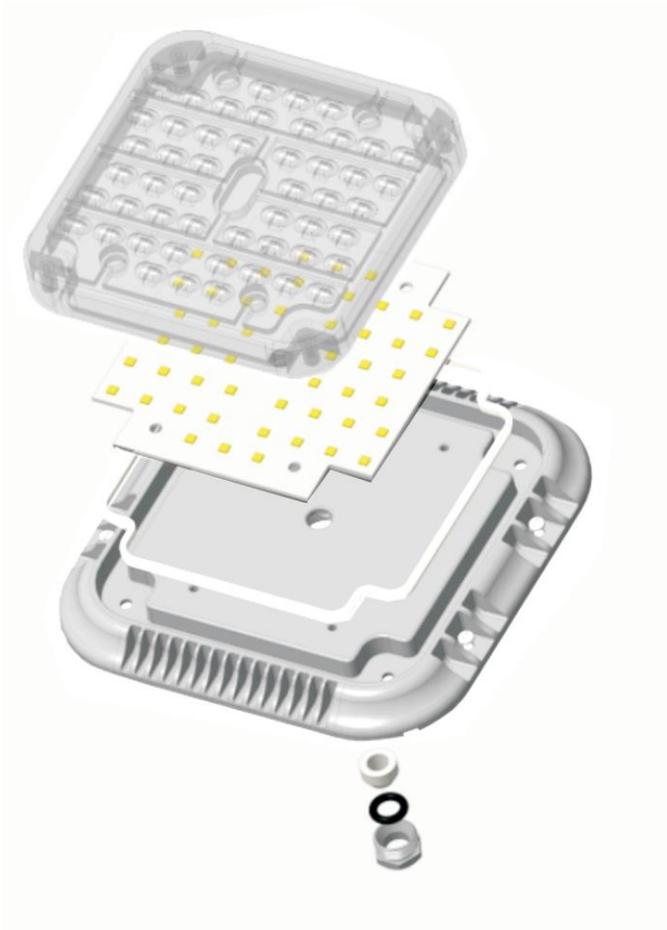


The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple 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 Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 140W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO4	Up to 54AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 9,000 lm)
	CCT (Correlated color temperature)	2,700K-6,500K/Amber
	CRI (Color rendering index)	<u>>75</u>
Control Modes	Timing + Microwave control	
Working Mode	Depend on customer request and solar radiation.	
IP Rating	IP66	
Extended Application Option	Wireless Remote controller	
	GPRS Integrated Management System(Remote control and monitoring)	
Material	Aluminum Die-casting	
Certificates	CE, RoHS	
Product size	Depend on LED and solar panel wattage	
Net Weight	Depend on LED and solar panel wattage	

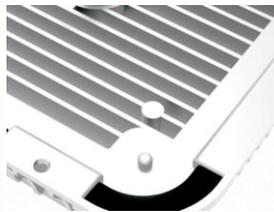
Integrated LED System



* Adopt original Philips LED chips, single lumen value up to 210lm/W;

* Integrated aluminum base and sealed lens for excellent heat dissipation and waterproof performance;

* Optical lens with light transmittance up to 93% and the well optimized light distribution, making more uniform illumination and wider lighting area.



Innovative heat sink



Rectangular beam design



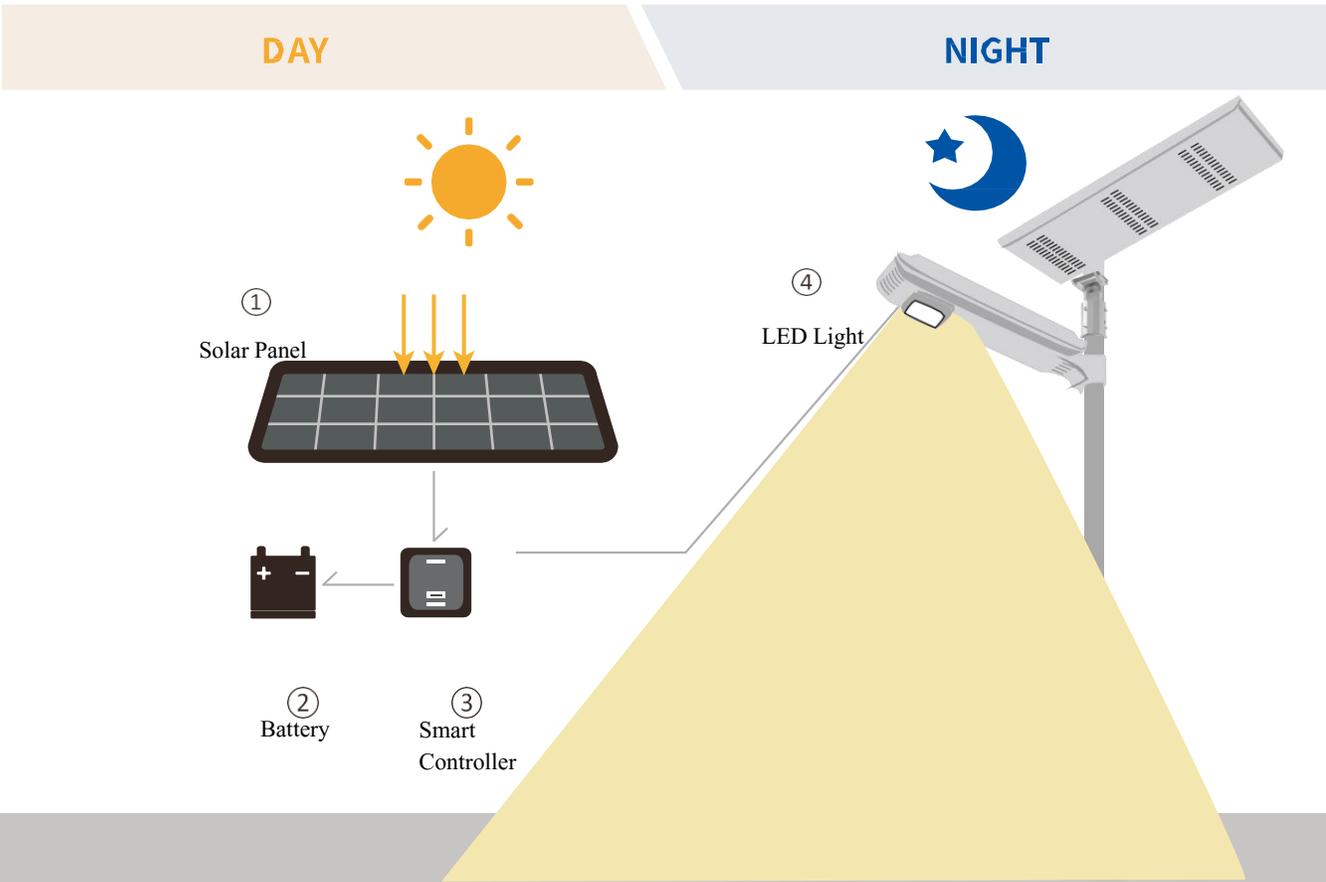
IP67 PG head

Battery Protection System



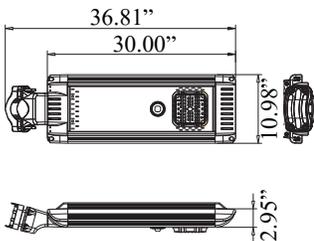
- Built-in LiFePO4 class A battery , single cell with PTC.
- Superior IC with military standards in battery protection board.
- Exclusive patented waterproof sealed box, up to IP66.
- Over charging & over discharging protection.

Integrated LED System

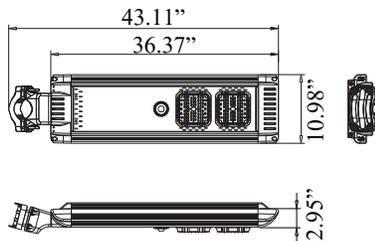


Product Dimensions

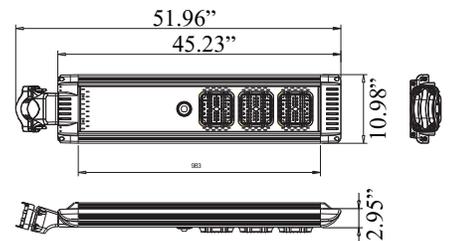
40W-LED



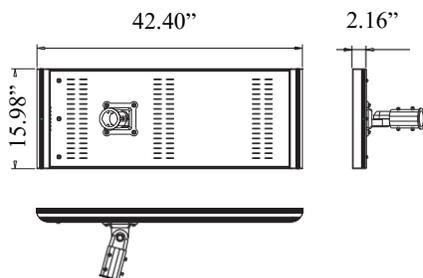
60W-LED



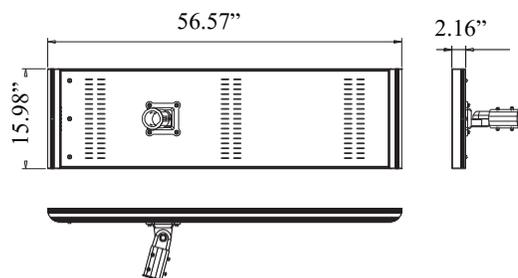
80W-LED



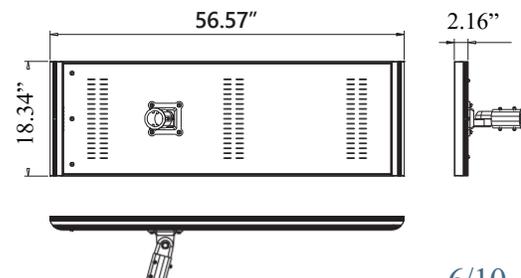
90W-Solar Panel



120W-Solar Panel



140W-Solar Panel

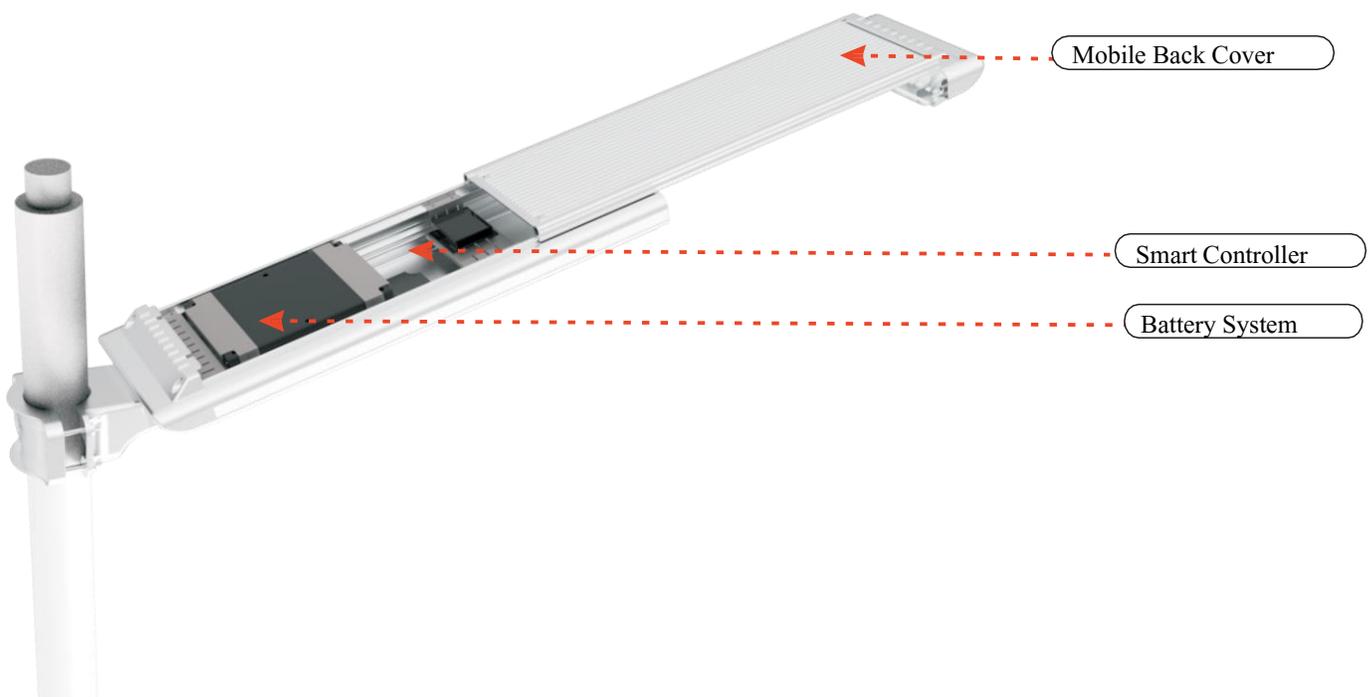


Installation Options



- Simple to use, and attach it to the post with some screws.
- Adjust lamp and solar panel direction according to local lighting region and sunlight condition respectively.
- Patent hooping design with multi-point contact areas, safety increased by 30%.

Easy Maintenance



Key Features

- Patent Design, Globe First
- LED Modular Thermal Design
- Innovative Battery Protection System
- Typhoon Resistant
- Simple installation.
- Easy maintenance
- Protected against all weathers.



USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

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-LD	90W 120W 140W	40W 60W 80W	3- Type III	27K 30K 40K 50K 65K Amber	42AH 50AH 54AH	GR- Gray BLK- Black *Other colors are available	00- No motion sensor 01- Motion sensor WL- Wild Life (Amber LED/ Turtle friendly)



*Up on request

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