

HIGHLIGHT ML-NGL 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

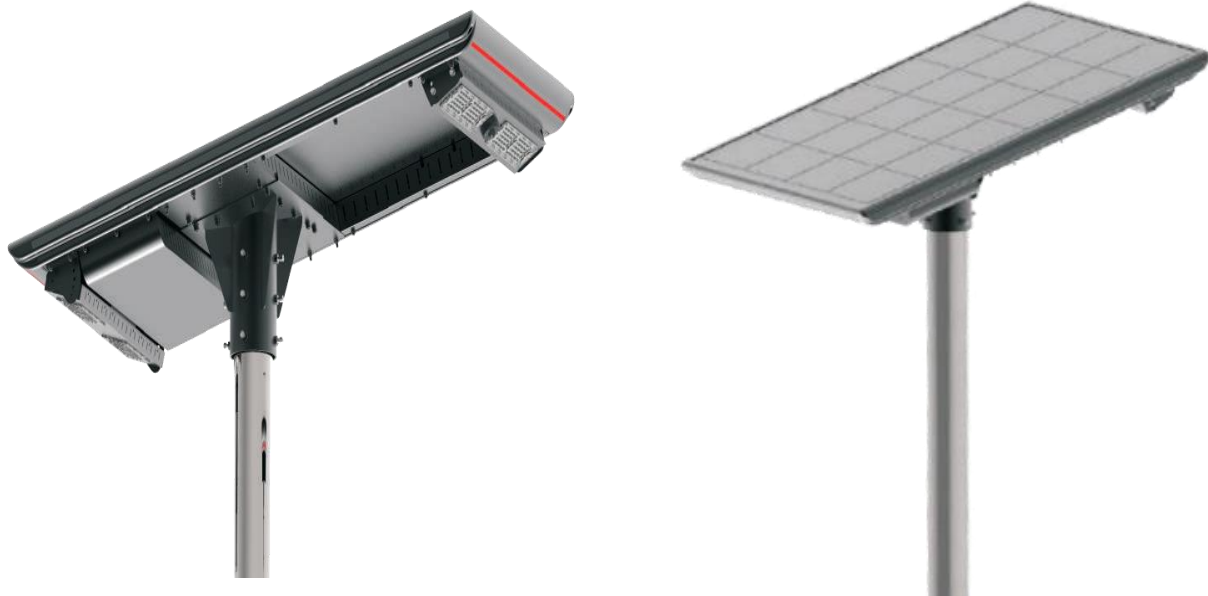
Worldwide success proves our adaptability and regulatory expertise.

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 Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 230W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO	Up to 60AH
LED Light Parameters	Light Source Power	Up to 80W (Up to 12,800 lm)
	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	IP66	
Extended Application Option	Wireless Remote controller	
	GPRS Integrated Management System(Remote control and monitoring)	
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.
- IP66 Rating.
- High performance 160lm/W.
- Light dimming engine.
- Adjustable LED module.
- 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



ORDERING GUIDE

Ordering Guide: HIGHLIGHT ML-NGL-160W-20W-3-27K-36AH-GR-1-00

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	LED	Options
HIGHLIGHT ML-NGL	160W	20W	3- Type III	27K	36AH	GR- Gray *Other colors are available	1 – One Side	00- No motion sensor
	180W	40W		30K	48AH		2 – Double Side	01- Motion sensor
	230W	60W		40K	60AH			
		80W		50K				
				65K A - Amber				

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