

HIGHLIGHT ML-NGL



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 specifications

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

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 230W
Solar Charge Controller Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 60AH
LED Light Parameters	Light Source Power	Up to 80W
	Lamp Rated Total Luminous Flux	Up to 12,800LM
	Luminous Efficacy	160lm/w
	CCT (Correlated Color Temperature)	2,700K-6,500K/Amber
	Color Rendering Index (CRI)	≥ 75
Control Modes	1. Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	Depend on customer request and solar radiation.	
Lighting Material	Die-casting Aluminum	
Extended Application Option	Wireless Remote controller	
	GPRS Integrated Management System(Remote control and monitoring)	
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

Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●



Ordering Guide: EXAMPLE: HIGHLIGHT ML-NGL -160W-20W-3-27K -36AH-GR-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 2 – Double Side	00- No motion sensor 01- Motion sensor
	180W	40W		30K	48AH			
	230W	60W		40K	60AH			
		80W		50K				
		65K						
		A - Amber						



*Up on request.

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