HIGHLIGHT HL-ML-ALM

SolarPath sun solutions

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.

Key features:

- Low installation and maintenance costs.
- IP65 Rating.
- High performance 1W LEDs with 200lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- Replaceable battery.
- Adjustable mounting bracket.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- IDA Approved.

Uses and Applications Guide

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

Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 160W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 130AH
LED Light Parameters	Light Source Power	Up to 100W
	Lamp Rated Total Luminous Flux	Up to 20,000lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K–6,500K
	Color Rendering Index (CRI)	≥82
Operation profiles	6hrs– 100%; 25% to dawn	
	4hrs– 100%; 25% to dawn	
	1hr–100%; 3hrs–50%; 25% to dawn	
	1hr–100% ; 2hrs–80%; 3–4hrs–60; 5hrs–25% 5H 25% to dawn	
	5. 100% dusk to dawn	
	6. Customized	
	* Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.	
Lighting Material	Die-casting Aluminum	

Ordering Guide: EXAMPLE: HL-ML-ALM-25W-10W-2-30K -10AH-BLK-00-PTC-R

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-ML-ALM	25W	10W	**2**- Type II	30K	10AH	**BLK**- Black	**00**- No motion sensor
	45W	15W	**3**- Type III	40K	12AH		**01**-Motion sensor
	60W	20W		50K	18AH		**PTC**- Warmer
	75W	25W		65K	20AH		
	105W	30W			23AH		
	135W	35W			25AH		
	160W	40W			30AH		
		45W			35AH		
		50W			40AH		
		60W			45AH		
		75W			50AH		
		90W			60AH		
		100W			70AH		
					80AH		
					100AH		
					130AH		

*Up on request.