

HIGHLIGHT HL-SPES



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.

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 150W
	Lamp Rated Total Luminous Flux	Up to 20,000lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥ 82
Operation profiles	* 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	

Uses and Applications Guide

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

Ordering Guide: EXAMPLE: HL-SPES-A-A-45W-15W-2-30K-60AH-BLK-00

Model	Solar panel Qty	LED Fixture Qty	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options		
HL-SPES	A- 1 panel	A- 1 head	45W	15W	2- Type II	30K	60AH	BLK- Black	00- No motion sensor 01-Motion sensor PTC- Warmer		
		B- 2 panels	60W	20W		40K	70AH				
	C - 3 heads	75W	30W	3- Type III	60K	80AH					
		105W	40W		100AH						
		135W	50W		130AH						
				160W	60W						
					75W						
					100W						
					150W						



*Up on request.

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