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.

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 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	

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
	B- 2 panels	B- 2 heads	60W	20W	**3**- Type III	40K	70AH		**01**-Motion sensor
		C – 3 heads	75W	30W		60K	80AH		**PTC**- Warmer
			105W	40W			100AH		
			135W	50W			130AH		
			160W	60W					
				75W					
				100W					
				150W					

*Up on request.