



The SolarPath HIGHLIGHT SPWPLP™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

Key features

- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating 65
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery inside pole or inside LED fixture.
- Wind- resistant and self cleaning.
- Coated with electrostatic spray for anti-salted, anti-acid, rust resistant.
- Aluminum housing for efficient heat dissipation.
- Dark Sky friendly.
- IDA Approved.

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●

Technical Specifications

Solar Module Parameters	Type	CIGS Amorphous flexible solar panel wrap on pole	
	Power	Up to 900W	
	Amount of solar modules	Up to 5 pcs	
Solar Charge Controller Parameters	Type	MPPT	
Battery type and parameters	Lithium (LifePO4)	12.8V or 25.6V Up to 150AH	
LED Light Parameters	Light Source Power	Up to 150W	
	Brightness	Up to 18,990 lm	
	CCT (Correlated Color Temperature)	3,000K-5,700K	
Operation profile	Programmable, depend on solar radiation.		
Operation Temperature	-4°F-131°F		
Pole Height	13ft-32ft		



Ordering Guide: EXAMPLE: SPWPLP-A-80W-SLA-30W-1-30K—1-GR

Model	Solar Panel Quantity	Solar Panel	LED Head	Led Power	Distribution Type	Led Color Temp	Battery capacity	Arm	LED Body color	Options
SPWPLP	A-1 panel	85W	SLA	30W	1 – Type I	30K	30AH	1 – Single arm	GR- Grey *other colors are available	00 – No motion sensor 01 – With motion sensor
	B-2 panels	90W	SLB	40W	2 – Type II	40K	40AH	2 – Double arm		
	C-3 panels	100W	SLG	60W	3 – Type III	50K	50AH			
	D-4 panels	150W	SLE	80W	4 – Type IV	57K	60AH			
	E-5 panels	180W	SRS	90W	5 – Type V		80AH			
			SRL	120W			100AH			
			SKA	150W			120AH			
			SKB				150AH			
			SIA							
			SIB							
			SID							
			SIC							
			FLA							
			FLB							
			FLC							



*Up on request