



Technical Specifications

SPFS Series Smart All In One Solar Street Light through innovative design, the real realization of the integrated solar street light definition. SolarPath's well-built, modern high- end, compact all feature flagship product. All In One(integration) design solar light put all core parts and smart motion sensor in one kit, to be used for parks, streets, parking lot.

Key features

- **Solar powered outdoor lighting**
- **Lithium battery prolongs life and protects environment**
- **Modular compact design, easy assembly and maintenance**
- **IP66**
- **Rust-proof, dustproof and waterproof**

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Farms	●
Boardwalks	●
Pathways	●
Public parks	●
Walking paths	●
Bus stations	●

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 250W
	Adjustable Angle	360°on the horizontal direction; 270°on the vertical direction
Solar ChargeController Parameters	Type	MPPT (Maximum Power Point Tracking), infrared solar charging controller
Lithium-ion Battery Parameters	Type	LiFePO4 (lithium-ion ferrous phosphate)
	Capacity	Up to 36AH
LED Light Parameters	Light Source Power	Up to 120W
	Lamp Rated Total Luminous Flux	Up to 21,600lm
	Luminous Efficacy	180lm/w
	CCT (Correlated Color Temperature)	3,500K-6,000K
	Color Rendering Index (CRI)	≥75 (≥80 optional)
Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤65FT
	Delay Time	10 seconds (optional)
	Saving Mode	Continuously 4-5 rainy days.
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	1. 100%-6hrs, 50%-6hrs. 2. 50%-1hr, 100%-4hrs, 50%-3hr, 25%-4hrs. 3. 100%-2hrs, 70%-2hrs, 20%-8hrs. 4. Always 30% dim, motion sensor trigger jump to 100% for 2 minutes. 5. 100%-2hrs, 70%-2hrs, 50%-2hrs, then 20% dim, when motion sensor trigger the light jump to 50% for 2 minutes. * Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.	
Installation Recommendation	Mounting Height Range	Up to 39FT
	Installation Distance Range	Up to 131FT
	Pole Upper diameter	2.36in – 2.99in
Lighting Material	Die-casting Aluminum	
Extended Application	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

Ordering Guide

EXAMPLE: SPFS-50W-15W-2-35K-192WH-WH-01

Model	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Options
SPFS	50W	15W	2 – Type II	35K	21AH	WH – White	00 – No motion sensor 01- Motion Sensor
	60W	20W		40K	24AH	*SI – Silver	
	70W	30W		50K	27AH	*BK - Black	
	80W	40W		60K	30AH		
	100W	50W			36AH	*Min 20 pcs	
	120W	60W					
	160W	80W					
	200W	100W					
	200W	100W					
	250W	120W					



*Up on request

