



## Technical Specifications

SPFS Series Smart All In One Solar Street Light through innovative design, the real realization of the integrated solar street light definition. SolarPaths's well-built, patented appearance design, 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, convenient for purchasing, transport, installation, maintenance.

### Key features

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

### Uses and Applications Guide

Streets lighting	●
Parking lots	●
Farms	●
Boardwalks	●
Pathways	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●
Bus stations	●

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 200W
	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 691.2WH
LED Light Parameters	Light Source Power	Up to 100W
	Lamp Rated Total Luminous Flux	Up to 18,000lm
	Luminous Efficacy	210lm/w
	Viewing Angle	140°70
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥75
	Light Control Voltage	DC5V
	Adjustable Angle	360°on the horizontal direction; 60°on the vertical direction
Detector (Motion Sensor)	Lifetime	≥50000 hours
	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤82FT
	Delay Time	10 seconds (optional)
	Saving Mode	Continuously 4-5 rainy days, 12 hours per night
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation mode	1.100%-1hr, 70%-3hr, 20% till dawn 2.100%-2hrs, 70%-2hrs, 50%-2hrs 3.100%-2hrs, 70%-2hrs, 50%-2hrs, 20% dim,50% when motion trigger 4. 30% dim ,100% when motion trigger	
Work Temperature	Charge Temperature	-13°F - 149°F
	Discharge Temperature Range	-4°F - 140°F
Installation Recommendation	Mounting Height Range	Up to 32FT
	Installation Distance Range	Up to 114FT
	Upper diameter	2.7in - 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-A-50W-15W-2-30K-192WH-1-01

Model	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Options
SPFS	50W	15W	2 – Type II	30K	192WH	White – WH	01 – motion sensor
	60W	20W	3 – Type III	40K	230.4WH	*Silver – SI	
	70W	30W		50K	268.8WH	*Black – BK	
	80W	40W	60K	345.6WH	*Min 20 pcs		
	100W	50W		422.4WH			
	120W	60W		537.6WH			
	150W	80W		614.4WH			
	200W	100W		691.2WH			

