



Technical Specifications

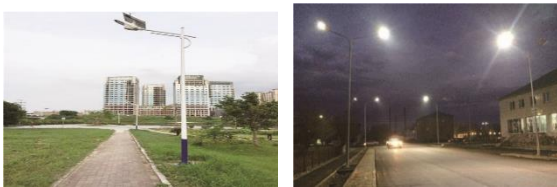
SPSF Series Smart All In One Solar Street Light through innovative design, the real realization of the integrated solar street light definition. SolarPaths's well-built, modern high- end, compact all feature flagship product. All In One(integration) design solar light put all core parts and smart motion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

Key features

- 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	●
Walking paths	●
Bus stations	●



Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 400W
	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 54AH
LED Light Parameters	Light Source Power	Up to 180W
	Lamp Rated Total Luminous Flux	Up to 32,400lm
	Luminous Efficacy	180lm/w
	CCT (Correlated Color Temperature)	3,000K-6,500K
	Color Rendering Index (CRI)	≥70
Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤82FT
	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 mode	<ol style="list-style-type: none"> 100%-6hrs, 50%-6hrs. 50%-1hr, 100%-4hrs, 50%-3hr, 25%-4hrs. 100%-2hrs, 70%-2hrs, 20%-8hrs. Always 30% dim, motion sensor trigger jump to 100% for 2 minutes. 100%-2hrs, 70%-2hrs, 50%-2hrs, then 20% dim, when motion sensor trigger the light jump to 50% for 2 minutes. <p>* Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.</p>	
Installation Recommendation	Mounting Height Range	Up to 39FT
	Installation Distance Range	Up to 147FT
	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: SPSF-A-50W-15W-2-30K-15AH-WH-1-01

Model	Solar Panel Qty	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Arm	Options
SPSF	A - 1	50W	15W	2 - Type II	30K	15AH	WH - White	1 - Single	00 - No Motion sensor 01 - Motion sensor
		60W	20W	3 - Type III	40K	18AH	*SI - Silver	2 - Double	
	B - 2	70W	30W	4 - Type IV	50K	21AH	*BK - Black	*Min 20 pcs	
		80W	40W		24AH				
		100W	50W		27AH				
		120W	60W		33AH				
		150W	80W		36AH				
		180W	100W		42AH				
		200W	120W		54AH				
		260W	150W						
		300W	180W						
		360W							
		400W							



*Up on request

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