



SPFS-SC Series Smart All In One Solar Street Light with inbuilt CCTV and LED running on solar and an inbuilt dimmer, 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 feature

- Low installation and maintenance costs.
- Security 4G CCTV Camera
- IP66 Rating.
- High performance 1W LEDs with 160lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA

Uses and Applications Guide

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

Technical Specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 180W
	Adjustable Angle	270° adjustable head
Solar Charge Controller Parameters	Type	MPPT Solar charge controller
Lithium-ion Battery Parameters	Type	LiFePO4
	Capacity	Up to 998.4WH
LED Light Parameters	Light Source Power	Up to 60W
	Lamp Rated Total Luminous Flux	Up to 9,600lm
	Luminous Efficacy	160lm/w
	CCT (Correlated Color Temperature)	6,000K
Detector (Motion Sensor)	Sensor Type	Microwave Detection (By Radar)
	Detection distance	≤49FT
WiFi Camera parameters	<ul style="list-style-type: none"> • 2.0MP 1920x1280 HD 4G PTZ Dome • 5 x optical zoom (0.10-0.53 inch optical motorized lens), Infrared night vision up to 196.85-262.46ft • Two-way audio, two-way talk with HiFi Quality • Motion detection alarm from your smartphone • Support 128GB Micro SD card for footage recording • Access through user-friendly APP(Android & IOS) or PC version • IP65 waterproof weather resistant 	
Control Modes	1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control	
Operation profiles	<ol style="list-style-type: none"> 1. 100%-2hr, 70%-2hr, 20% till dawn. 2. 50%-1hr, 100%-4hr, 50%-3hr, 25%-4hr. 3. 100%-6hr, 50%-6hr. 4. Always 30% dim, motion sensor trigger jump to 100% for 2 minutes. 5. Always 20% dim, motion sensor trigger jump to 100% 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 29FT
	Installation Distance Range	Up to 98FT
	Pole Upper diameter	2.99in
Lighting Material	Die-casting Aluminum, anti-corrosion	
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



Ordering Guide- Example: SPFS-SC-150W-40W-2-60K-768WH-WH-01-SC

Model	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery options	Body Color	Options
SPFS-SC	150W 180W	40W 60W	2 - Type II	60K	768WH 998WH	WH - White	01 - motion sensor SC-Security camera



*Up on request

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