SPFS Series



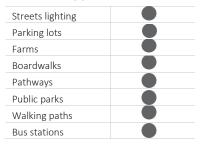


SPFS Series Smart All In One Solar Street Light through innovative design, the real realization of the integrated solar street light definition. SolarPaths's well-built, modern high- end, compact all feature flagship product. All In One(integration) design solar light put all core parts and smart motion 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





Technical Specifications

| | Туре | High-efficiency Monocrystalline Silicon | | | | |
|------------------------------------|--|---|--|--|--|--|
| | Power | Up to 200W | | | | |
| Solar Module Parameters | Adjustable Angle | 360° on the horizontal direction; 270° on the vertical direction | | | | |
| Solar ChargeController | Туре | MPPT (Maximum Power Point Tracking), infrared solar charging controller | | | | |
| Parameters | | | | | | |
| Lithium-ion Battery | Туре | LiFePO4 (lithium-ion ferrous phosphate) | | | | |
| Parameters | Capacity | Up to 691.2WH | | | | |
| | Light Source Power | Up to 100W | | | | |
| | Lamp Rated Total Luminous Flux | Up to 18,000lm | | | | |
| | Luminous Efficacy | 180lm/w | | | | |
| | CCT (Correlated Color Temperature) | 3,500K-6,000K | | | | |
| LED Light Parameters | Color Rendering Index (CRI) | \geq 75 (\geq 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%-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. | | | | | |
| | Mounting Height Range | Up to 39FT | | | | |
| Installation Recommen dation | 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) | | | | | |
| | light body | Depend On LED power | | | | |
| Product size | solar panel | Depend On Solar Panel wattage | | | | |
| Not weight | light body | Depend On LED power | | | | |
| Net weight | 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 | 192WH | WH – White | 01 – motion sensor |
| | 60W | 20W | | 40K | 230WH | *SI – Silver | |
| | 70W | 30W | | 50K | 268WH | *BK - Black | |
| | 80W | 40W | | 60K | 345WH | | |
| | 100W | 50W | | | 422WH | *Min 20 pcs | |
| | 120W | 60W | | | 537WH | | |
| | 160W | 80W | | | 614WH | | |
| | 200W | 100W | | | 691WH | | |
| | | | | | | | |



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