

HIGHLIGHT SP-SLSP

Solar Sign Light Pole



SYSTEM BENEFITS SP-SLSP



OFF-GRID SECURITY VISIBILITY

Fully autonomous solar sign light pole designed for perimeter and security applications.

Eliminates trenching, underground wiring, and utility connection requirements.

Ideal for controlled-access and perimeter security zones.



FOCUSED SIGN ILLUMINATION

LED output up to 15W optimized for sign visibility and boundary identification.

Consistent dusk-to-dawn operation. Enhances nighttime recognition of restricted and authorized areas.



COMPACT SMART POWER SYSTEM

Integrated lithium battery system with MPPT (Maximum Power Point Tracking) charge control.

Low-maintenance operation. Designed for reliable outdoor security performance.



INTEGRATED VERTICAL SOLAR WRAP

CIGS amorphous flexible solar modules integrated directly onto the pole structure.

Up to 360W total solar capacity. Vertical configuration minimizes shading and enhances durability in perimeter environments.

ADVANCED VERTICAL TECHNOLOGY

Rugged Mounting Pole

- Designed for long-term outdoor installation
- Supports up to 2 integrated CIGS flexible solar wrap modules
- Up to 360W total solar capacity (combined)
- Engineered for perimeter and security applications
- Pole height customized per project requirements

Integrated LED Sign Lighting

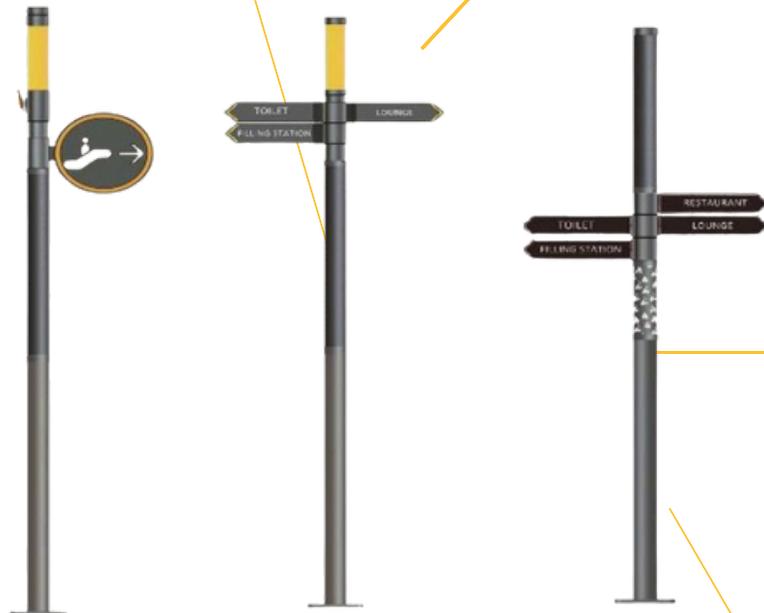
- LED power – up to 15W
- Available in 3000K–6000K
- IP65 rated
- Designed for sign visibility and perimeter identification

360° Vertical Solar Wrap

- CIGS amorphous flexible solar panel wrap integrated directly onto the pole
- Up to 360W total solar capacity
- Cylindrical configuration for optimized solar exposure
- Vertical design minimizes shading and enhances durability in perimeter environments

Smart Power Control

- MPPT (Maximum Power Point Tracking) solar charge controller
- Lithium battery system – up to 20Ah
- Dusk-to-dawn operation profile
- Designed for low-maintenance autonomous operation



Warranty & Reliability

The SP-SLSP system is engineered for reliable long-term outdoor operation in perimeter and security environments.

All major system components are selected and tested to support durability, performance consistency, and compliance with applicable standards.

Component	Warranty Coverage
Solar Modules	5-year workmanship warranty. 10/25-year limited power output warranty in accordance with manufacturer specifications.
Battery System	Warranty subject to battery manufacturer specifications. Service life dependent on application and operating conditions.
LED Luminaire, MPPT Controller & Smart Electronics	Manufacturer warranty - coverage period subject to component specifications.
Pole & Structural Components	Structural design engineered to comply with applicable outdoor installation and wind-load requirements. Project-specific engineering available upon request.

Warranty terms may vary based on system configuration and project conditions. Full warranty details are available upon request.

Applications & Use Cases

SP-SLSP

Security & Restricted Areas - Designed to enhance visibility of warning and regulatory signage in secured environments.

Industrial Perimeters - Provides focused LED illumination for boundary and identification signage along industrial facilities.

Entry & Gate Identification - Improves nighttime recognition of entry points, security checkpoints, and gated access locations.

Campus & Facility Boundaries - Suitable for educational, corporate, and institutional campuses requiring perimeter identification lighting.

Remote Security Installations - Ideal for off-grid security signage where utility power is unavailable or impractical.

Temporary or Rapid Deployment Sites - Supports security perimeter marking in temporary installations or remote project locations.

This system is designed for sign visibility and perimeter identification applications. It is not intended for roadway or area illumination.

Technical Overview

- **Solar module type** - CIGS amorphous flexible solar wrap integrated onto the pole
- **Total solar power** - Up to 360W (depending on configuration)
- **Number of solar modules** - Up to 2 pcs (integrated vertical wrap configuration)
- **Solar charge controller** - MPPT (Maximum Power Point Tracking) controller
- **Battery type** - Lithium battery system
- **Battery capacity** - Up to 40Ah
- **LED power** - Up to 15W (optimized for sign illumination)
- **Distribution type** - Focused sign illumination optic
- **CCT options** - 3000K-6000K
- **Operation profile** - Dusk-to-dawn (dimming according to solar radiation)
- **IP rating** - IP65
- **Operating temperature** - -4°F to 131°F

Final system configuration may vary based on site conditions and project requirements.

HOW TO SPECIFY & ORDER

The SP-SLSP solar sign light system is configurable based on site security requirements, solar availability, operating profile, and sign visibility needs.

- **DEFINE SITE CONDITIONS AND SIGN VISIBILITY REQUIREMENTS**
- **ESTABLISH SIGN ILLUMINATION LEVEL AND OPERATING PROFILE**
- **CONFIGURE SYSTEM COMPONENTS AND CAPACITY**
- **APPROVE FINAL CONFIGURATION AND ASSIGN CONFIGURATION CODE**

Each approved configuration is assigned a unique SolarPath configuration code used for manufacturing and ordering.

LIGHTING DESIGN & PHOTOMETRIC SUPPORT

Sign illumination layout support is available upon request to ensure proper visibility, placement, and configuration.

IMPORTANT NOTES

- System performance depends on site conditions, solar exposure, and required operating profile.
- Specifications shown are representative and may vary by configuration.
- All system configurations are reviewed and approved prior to manufacturing.

ORDERING GUIDE

Each approved SP-SLSP configuration is assigned a unique SolarPath configuration code for manufacturing and ordering reference.

Example: SP-SLSP-B-150W-15W-40K-20AH-10FT-GR-TP

Model	Solar Panel qty	Solar Panel	Led Power	LED Color Temp	Battery Capacity	Pole Height	Body Color	LED Location
SP-SLSP	A- 1 panel B- 2 panels	85W 90W 100W 150W 180W	15W	30K 40K 60K	20Ah 40Ah	10 FT 15FT	GR - Grey BLK- Black *Other colors available upon request	TP- Top of the pole MP- Middle of the pole

All system configurations are subject to site conditions, solar availability, and final engineering approval prior to manufacturing.



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