

# HIGHLIGHT SPSSB-SUN Specifications



## Why us?

### **Innovative Technology**

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

### **Photometric**

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

### **Versatile Lightning**

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

### **Global Reach**

Worldwide success proves our adaptability and regulatory expertise.

### **Sustainable Savings**

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

### **Warranty**

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.



The SolarPath HIGHLIGHT SPSSB-SUN™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night.

## Technical specification

|                                |                                                                         |                           |
|--------------------------------|-------------------------------------------------------------------------|---------------------------|
| <b>Solar Module Parameters</b> | Type                                                                    | Monocrystalline silicon   |
|                                | Power                                                                   | Up to 1,120W(4x280W each) |
| <b>Solar Charge Controller</b> | MPPT (Maximum Power Point Tracking), infrared solar charging controller |                           |
| <b>Battery</b>                 | LifePO                                                                  | Up to 100AH               |
| <b>LED Light Parameters</b>    | Light Source Power                                                      | 150W (Up to 21,000 lm)    |
|                                | CCT (Correlated color temperature)                                      | 3,000K-5,700K             |
|                                | Distribution Type                                                       | Type I, II, III, IV, V    |
| <b>Control Modes</b>           | Manual ON/OFF / Automatically ON/OFF / Time Control                     |                           |
| <b>Operation profile</b>       | Programmable, Dusk to dawn (Depend on solar radiation)                  |                           |
| <b>IP Rating</b>               | IP65                                                                    |                           |
| <b>Operation Temperature</b>   | -4°F~131°F                                                              |                           |
| <b>Pole Height</b>             | Up to 30FT                                                              |                           |



## SOLAR STREET LIGHT

| USES AND APPLICATIONS GUIDE |   |
|-----------------------------|---|
| Streets Lighting            | V |
| Parking Lots                | V |
| Residential Roads           | V |
| Public Parks                | V |
| Sports Lighting             | V |

## ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT SPSSB-SUN-A-60W-SPSUN-F-30W-1-30K—30AH-GR-00

| Model                  | Solar Panel<br>qty. | Solar<br>Panel | LED Head | LED Power | Distribution<br>Type | LED Color<br>Temp. | Battery<br>Capacity | LED Body<br>Color | Options                 |
|------------------------|---------------------|----------------|----------|-----------|----------------------|--------------------|---------------------|-------------------|-------------------------|
| HIGHLIGHT<br>SPSSB-SUN | A – 1 panel         | 60W            | SPSUN-F  | 30W       | 1 – Type I           | 30K                | 30AH                | GR- Grey          | 00 – No motion sensor   |
|                        | B – 2 panels        | 80W            |          | 40W       | 2 – Type II          | 40K                | 40AH                | BRZ- Bronze       | 01 – With motion sensor |
|                        | C – 3 panels        | 100W           |          | 60W       | 3 – Type III         | 50K                | 60AH                | *other colors     |                         |
|                        | D – 4 panels        | 120W           |          | 80W       | 4 – Type IV          | 57K                | 80AH                | are available     |                         |
|                        |                     | 200W           |          | 90W       | 5 – Type V           | 100AH              |                     |                   |                         |
|                        |                     | 240W           |          | 120W      |                      |                    |                     |                   |                         |
|                        |                     | 280W           |          | 150W      |                      |                    |                     |                   |                         |



\*Up on request

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