



Solarpath's SPBS3 solar powered LED bollard is an architectural independent lighting solution ideal for various applications such as parks, pathways, bike lanes, remote areas, golf courses, beach resorts, marinas, residential areas and landscape lighting projects.

The architectural patented design combined with a robust high LED lighting output in a high-grade construction makes it your ideal choice for all your self-contained lighting projects.

This solar powered outdoor lamp operates completely wirelessly, eliminating the need to dig across the property to install an electrical grid.

Energy storage and usage are controlled by a unique built-in self-decisive software algorithm. The special design of the bollard allows to illuminate in one or two directions.

## Key features

- Low installation and maintenance costs.
- Double side illumination or single side Illumination
- High LED performance.
- IP65 waterproof.
- LED's operation lifetime over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Anti-salt and anti-acid.

## **Uses and Applications Guide**

| Pathways          |  |
|-------------------|--|
| Bike Paths        |  |
| Gardens           |  |
| Public Parks      |  |
| Residential areas |  |
| Golf Courses      |  |
| Marinas           |  |
| Landscaping       |  |
|                   |  |

## **Technical Specifications**

| Solar Module                    | Type Monocrystalline Silicon   |                 |  |  |
|---------------------------------|--|-----------------|--|--|
| Parameters                      | Power  | 20W             |  |  |
| LED Resource                    | Power  | 20W             |  |  |
|                                 | Color temperature  | 3,000°K/5,000°K |  |  |
| Battery type and parameters     | LifoPO4  | 6.4V/6,000mAH   |  |  |
| Luminous Flux                   | Up to 2,000Lm  |                 |  |  |
| Beam angle                      | 120°   |                 |  |  |
| Solar charge<br>controller type | MPPT controller  |                 |  |  |
| Operation mode                  | Automatic On/Off; Always 15% dim, when motion sensor trigger light jump up to 100% for 20 seconds.  Can be programmed per to customer request depend on solar radiation. |                 |  |  |
| Body material                   | Aluminum alloy, Anti-salted, Anti-acid.  |                 |  |  |
| IP Rating                       | IP 65  |                 |  |  |
| Operation<br>Temperature        | -4°F-140°F   |                 |  |  |
| Weight                          | 14.1 lbs   |                 |  |  |
| Dimensions (inch)               | 31.49x8.66x3.55  |                 |  |  |
| Body color                      | Black / Grey   |                 |  |  |









Ordering guide: SPBS3-20W-20W-30K-6000mAH-GR-S-31.49

| N | Model | Solar<br>Panel | Led Power | Led Color<br>Temp | Battery capacity | LED Body color       | Illumination           | Height<br>(inch) |
|---|-------|----------------|-----------|-------------------|------------------|----------------------|------------------------|------------------|
| S | SPBS3 | 20W            | 20W       | 30K<br>50K        | 6,000mAH         | GR-Grey<br>BLK-Black | S- Single<br>D- Double | 31.49 in         |

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