

## Specification

# SP-7



### General

|                                  |   |
|----------------------------------|---|
| <b>Size</b>                      | Length 240mm<br>Width 180mm, Height 980mm     |
| <b>Weight</b>                    | 10kg  |
| <b>Housing</b>                   | One piece die-cast aluminum                   |
| <b>Lens</b>                      | UV stabilized polycarbonate lens              |
| <b>Lighting output</b>           | Permanent                                     |
| <b>LED pcs</b>                   | 1pc   |
| <b>Light Visibility Distance</b> | 800m (varies according to weather conditions) |

### Operational

|   |  |
|---|--|
| <b>Switch</b>   | Auto   |
| <b>Average Sunlight Exposure to Maintain Function</b> | Up to 12 hours (Sunny day), 5 days (rainy day) |
| <b>Average Operation time</b>                         | Minimum 12 hrs                                 |
| <b>Solar Deprivation Limit</b>                        | * 5 days                                       |

*\* To maintain function, unit requires 4 hours (sunny) to 8 hours (overcast/rainy) of UV exposure. Extra charge will be stored for next day use. Fully charged, the unit can last 3-4 rainy days.*

### Environmental

|                              |                                  |
|------------------------------|----------------------------------|
| <b>Operating temperature</b> | - 4 F° ~ 140 F° / -20 C° ~ 60 C° |
| <b>Storage temperature</b>   | -40 F° ~ 179 F° / -40 C° ~ 80 C° |
| <b>Moisture protection</b>   | IP65                             |

### LEDs

|                                    |  |
|------------------------------------|--|
| <b>LED Type</b>                    | Cree LED   |
| <b>LED spec</b>                    | XPG  |
| <b>LED Lifetime</b>                | 50000~70000 hours  |
| <b>LED power consumption (W)*</b>  | 1 W  |
| <b>Available LED Colors or CCT</b> | White(5700K),<br>Natural White(4700K), Warm White(2700K) |

*\*Remark: Specifications item depend on LED colors.*

### Solar Panel

|                   |                                     |
|-------------------|-------------------------------------|
| <b>Type</b>       | Mono-crystalline 4.5 watts 5V 900mA |
| <b>Efficiency</b> | 14%~16%                             |

### Power storage

|                  |                            |
|------------------|----------------------------|
| <b>Type</b>      | LiFePO4 battery 6.4V 2.7Ah |
| <b>Life time</b> | 4~6 years                  |

### Listing

|                      |    |
|----------------------|----|
| <b>Certification</b> | CE |
|----------------------|----|