STREET & PARKING LOT LIGHTS

# Bifacial Solar Street Light

## LiFePO4 · 40W – 120W · PIR + remote

EV-SL-108 · EV-SL-111 · EV-SL-114 · EV-SL-102 · EV-SL-105

A bifacial all-in-one solar street light in five power ratings. The 22% bifacial monocrystalline panel harvests light on both faces – including light reflected from concrete, sand or snow – and charges a LiFePO4 battery that delivers 3–5 nights of lighting per charge. Rotatable LED heads, a PIR motion sensor and an 11-mode remote make commissioning quick from ground level.



IP65 | LiFePO4 | 210 lm/W | 3-year warranty

## KEY FEATURES



- Bifacial solar panel – collects direct and reflected light for faster charging
- LiFePO4 battery – the safest, longest-lived lithium chemistry for outdoor duty
- 210 lm/W LEDs, 150° × 70° beam
- Rotatable light module and adjustable bracket to suit road width and latitude
- Remote control with 11 lighting modes; PIR motion sensor
- Working and battery-level indicators for simple maintenance

## APPLICATIONS

Parking lots, streets, rural roads, farmland access tracks, warehouses and main roads – anywhere a grid connection would cost more than the light itself.

## MODEL COMPARISON

| Specification | EV-SL-108 **40W** | EV-SL-111 **60W** | EV-SL-114 **80W** | EV-SL-102 **100W** | EV-SL-105 **120W** |
|---|---|---|---|---|---|
| Solar panel | 60W bifacial, 22%, 18V | 70W bifacial, 22%, 18V | 90W bifacial, 22% | 120W bifacial, 22% | 120W bifacial, 22% |
| LED | 50 LEDs, 1 adjustable head | 100 LEDs, 2 adjustable heads | 100 LEDs, adjustable head | 150 LEDs | 150 LEDs |
| Battery | LiFePO4 288Wh | LiFePO4 384Wh | LiFePO4 576Wh | LiFePO4 576Wh | LiFePO4 768Wh |
| Pole height | 3–5 m | 6–8 m | 6–8 m | 8–10 m | 8–10 m |
| Pole spacing | 9–15 m | 18–24 m | 24–30 m | 18–30 m | 18–30 m |
| Light size | 747 × 417 mm | 907 × 417 mm | 1177 × 417 mm | 1477 × 417 mm | 1477 × 417 mm |
| Pole fitting | < 60 mm (70 mm on request) | < 80 mm | < 80 mm | < 80 mm | < 80 mm |
| Carton | 82 × 50 × 24 cm | 99 × 50 × 24 cm | 126 × 50 × 24 cm | 156 × 50 × 24 cm | 156 × 50 × 24 cm |
| Gross weight | 13.6 kg | 15.7 kg | 17.5 kg | 21 kg | 22.2 kg |

## COMMON SPECIFICATIONS – ALL MODELS

| | | | |
|---|---|---|---|
| Solar panel type | Monocrystalline bifacial, tempered glass | Indicators | Working and battery indicator |
| LED efficiency / CCT | 210 lm/W, 6000K (other CCT on request) | Material | Aluminium alloy, anodised |
| Beam angle | 150° × 70° | Working temperature | -20°C to +65°C |
| Charging time | 6–8 h in bright sunshine | IP rating | IP65 |
| Lighting time | 3–5 nights after full charge | Certificates | CE, RoHS, FCC; ISO 9001:2015 certified production |
| Lighting mode | Remote control – 11 modes; PIR motion sensor | Warranty | 3 years |

FREE FOR PROJECTS

## Lighting design & 3D simulation

Send us your site plan or road dimensions – we return pole spacing, mounting height, lux levels, uniformity, battery autonomy and a 3D layout with your quotation.

**Sold by quotation – project pricing on request.**

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