



Oryon 6 m

SOLAR STREET LIGHT | TWIN

DATASHEET

SOLAR STREET LIGHT

Oryon 6 m Twin

DATA SHEET

The Oryon Series features a pole design compatible with standard luminaires, offering flexibility across a range of lighting configurations. It delivers high solar efficiency and smart control functions, making it ideal for customized installations.

Lighting Performance

| | |
|------------------------|-------------------------------|
| Material | Aluminum |
| Power(W) | 2 × 20W |
| CCT(K) | 2200-5700K |
| Efficiency (Lm/W) | 160lm/W(up to 180lm/W) @4000K |
| CRI (Ra) | Ra ≥ 70 |
| Integral Luminous Flux | 2 × 3600lm |

Battery Technology

| | |
|-----------------------|-----------------------------|
| Material | LiFePO ₄ Battery |
| Capacity | 12v80Ah |
| Operating Temperature | -20°C to 75°C |

PV Components

| | |
|------------------------|--|
| Type | Crystalline-silicon (c-Si) solar cells |
| Efficiency | ≥ 16.6% |
| Cell Efficiency | 23% |
| Rated Power (Pmpp) | 25W (per panel) |
| Total Curved PV Panels | 8 pcs |
| Total Rated Power | 200W |
| Open-Circuit V (Voc) | 21.76V |
| Voltage @ Pmax (Vmp) | 18.56V |
| Short-Circuit I (Isc) | 1.42A |
| Current @ Pmax (Imp) | 1.35A |
| Operating Temperature | -40°C to 85°C |

Smart Control & Efficiency

| | |
|-----------------|---|
| Operating Modes | light control+time control |
| Operating Time | 0-2 h 100 %; 2-4 h 50 %; 4-10 h 20 %; 10-12 h 50 %. |



Pole Structure

| | |
|------------|-------------------------------------|
| Material | Aluminum |
| Dimensions | Φ 180mm*4mm*6000mm |
| Shape | Squire |
| Coating | Powder coating (color customizable) |

