



# Oryon 4.5 m

SOLAR STREET LIGHT

DATASHEET



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### 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)	20W
CCT(K)	2200-5700K
Efficiency (Lm/W)	160lm/W(up to 180lm/W) @4000K
CRI (Ra)	Ra ≥ 70
Integral Luminous Flux	3600lm

#### Battery Technology

Material	LiFePO <sub>4</sub> Battery
Capacity	12v40Ah
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*4500mm
Shape	Squire
Coating	Powder coating (color customizable)

