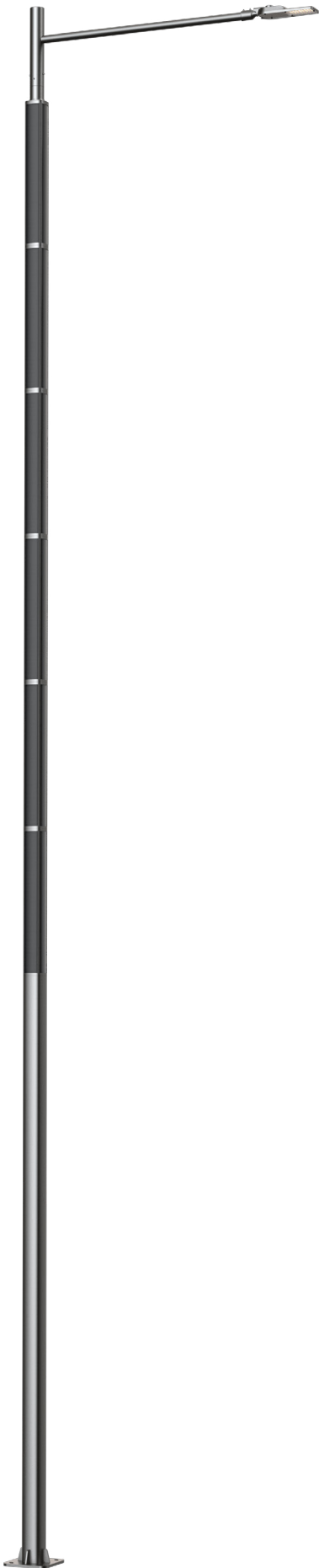


Oryon 12 m

SOLAR STREET LIGHT

DATASHEET



SOLAR STREET LIGHT

Oryon 12 m

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)	120W
CCT(K)	2200-5700K
Efficiency (Lm/W)	160lm/W(up to 180lm/W) @4000K
CRI (Ra)	Ra ≥ 70
Integral Luminous Flux	21600lm

Battery Technology

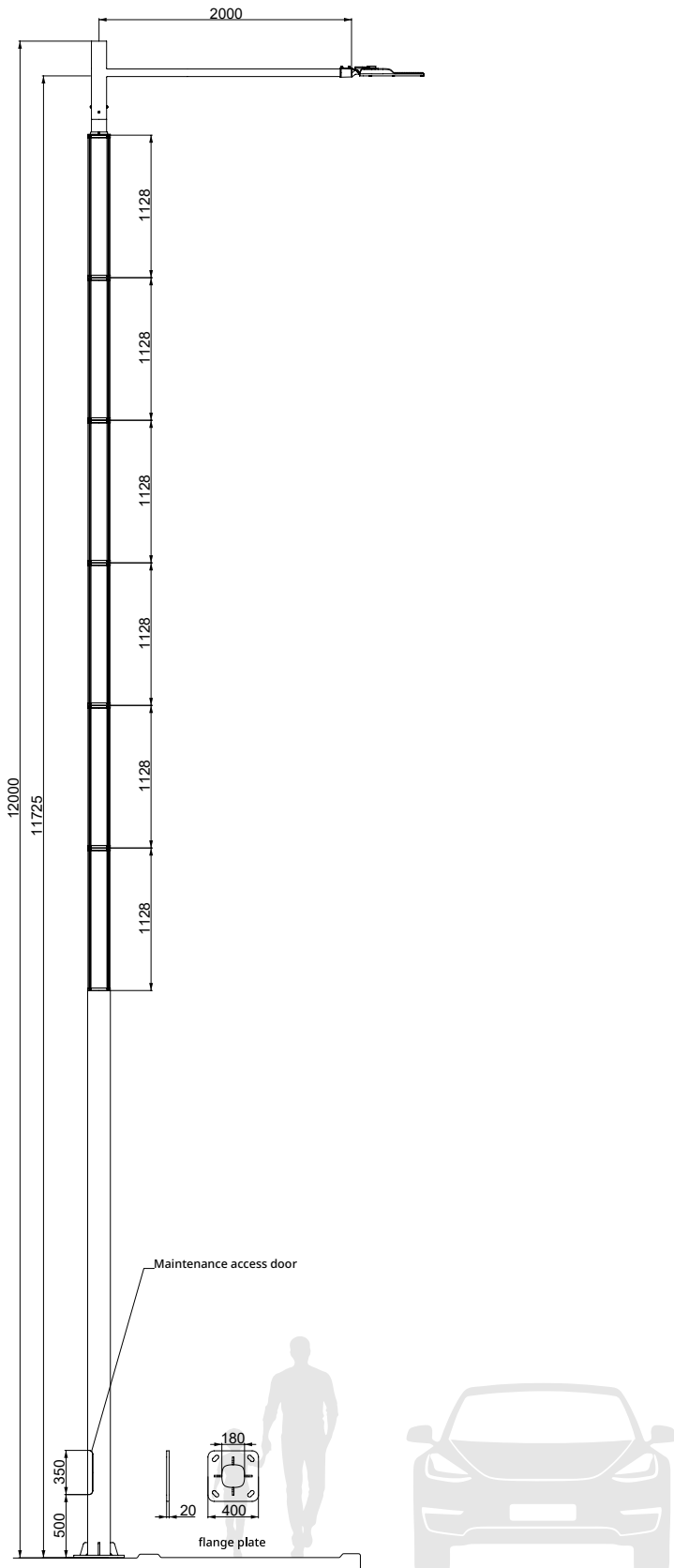
Material	LiFePO ₄ Battery
Capacity	12v210Ah
Operating Temperature	-20°C to 75°C

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 %.



All dimensions are in mm.

Pole Structure

Material	Steel
Dimensions	Φ 180mm*4mm*12000mm
Shape	Squircle
Coating	Hot-dip galvanized , optional powder coating (color customizable).

