

LED Solar Street EcoMax 50W~90W

Features

- High efficacy, up to 160lm/w
- Solar energy only.
- Die-cast Aluminum structure and UV proof PC lens.
- Automatic time dimming

Benefits

- No electricity expense.
- Sturdy and durable (UV/Wind/Water proof)
- Long lasting, low maintenance effort.
- Continuous 2 nights

Application



Streetlight Specification

Item Code	Item Description	Power (W)	Lumen (lm)	Efficacy (lm/W)	Lifetime (L70/B50)	MOQ	Matching Battery&Solar Panel Solution
543027016000	LED SolarStreet-EA 50W-4000-GD-GP	50	8000	160	50000	25	130W solar Panel & 12.8V/60AH battery
543027016100	LED SolarStreet-EA 50W-5700-GD-GP	50	8000	160	50000	25	130W solar Panel & 12.8V/60AH battery
543027016200	LED SolarStreet-EA 70W-4000-GD-GP	70	11200	160	50000	25	200W solar Panel & 25.6V/42AH battery
543027016300	LED SolarStreet-EA 70W-5700-GD-GP	70	11200	160	50000	25	200W solar Panel & 25.6V/42AH battery
705001013410	LED SolarStreet-EA 90W-4000-GD-GP	90	14400	160	50000	25	240W solar Panel & 25.6V/54AH battery
705001013510	LED SolarStreet-EA 90W-5700-GD-GP	90	14400	160	50000	25	240W solar Panel & 25.6V/54AH battery

Solar panel Specification

Item Code	Item Description	Silicon type	Pmax (w)	Vmp (V)	Imp (A)	Voc (V)	Lifetime (Yrs)
705001022900	OPL-solar-poly-18V/130W	Poly Crystalline	130	17.9	7.3	22.7	15
705001026600	OPL-solar-poly-36V/200W	Poly Crystalline	200	36.2	5.56	39.32	15
705001028800	OPL-solar-poly-36V/240W	Poly Crystalline	240	36.7	6.54	44.08	25

LIFEPO4 Battery Specification

Item Code	Item Description	Battery Type	Capacity (Ah)	Rated Voltage (V)	Full charged Voltage(V)	Standard charging mode	Lifetime
705001025700	OPL-solar-battery-A-12.8V/60AH	Lithium iron phosphate(LIFEPO4)	60	12.8	14.5	CC-CV	2000 cycle/≥80% (0.2C/25 °C)
705001025400	OPL-solar-battery-B-25.6V/42AH	Lithium iron phosphate(LIFEPO4)	42	25.6	28.6	CC-CV	2000 cycle/≥80% (0.2C/25 °C)
705001025200	OPL-solar-battery-B-25.6V/54AH	Lithium iron phosphate(LIFEPO4)	54	25.6	28.6	CC-CV	2000 cycle/≥80% (0.2C/25 °C)

Technical Specifications	
CRI	≥70
Colour Consistency (SDCM)	6
Dimmable	Yes (Automatic)
Housing Colour	Grey
IP	IP65
IK	IK08
Driver integrated (Yes/No)	No
Solar Panel Type	Poly Crystalline(Mono optional)
Battery Type	Lithium iron phosphate(LIFEPO4)
Glow wire test	650°C
Weight (kg/pc)	3.1Kg

Mechanical Properties	
Housing Material	Die-cast Aluminum Alloy
Optical Material	PC

Application Conditions	
Operating Temperature	-20-50°C
Storage Environment	-25-65°C

Lighting solution

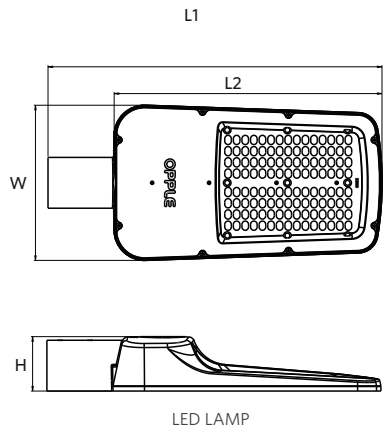
Set brightness level	Schedule time/per night
50%	2 hrs
100%	4 hrs
15%	6 hrs

The lighting solution can keep the light on for two nights.
Remark: local effective illumination time ≥ 4 hrs

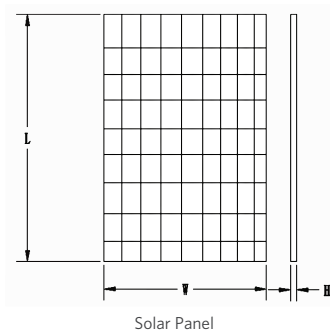
Packaging Information

Item		Packaging Unit		
Item Code	Item Description	Dimensions(mm) (LxWxH)	Gross Weight (kg)	Packing Qty (pcs/unit)
543027016000	LED SolarStreet-EA 50W-4000-GD-GP	560*260*115	3.1	1
543027016100	LED SolarStreet-EA 50W-5700-GD-GP	560*260*115	3.1	1
543027016200	LED SolarStreet-EA 70W-4000-GD-GP	560*260*115	3.1	1
543027016300	LED SolarStreet-EA 70W-5700-GD-GP	560*260*115	3.1	1
705001013410	LED SolarStreet-EA 90W-4000-GD-GP	560*260*115	3.1	1
705001013510	LED SolarStreet-EA 90W-5700-GD-GP	560*260*115	3.1	1
705001022900	OPL-solar-poly-18V/130W	1240*690*70	14.5	2
705001026600	OPL-solar-poly-36V/200W	1270*1020*80	29	2
705001028800	OPL-solar-poly-36V/240W	1500*1020*80	33	2
705001025700	OPL-solar-battery-A-12.8V/60AH	519*270*183	19	2
705001025400	OPL-solar-battery-B-25.6V/42AH	653*270*183	24	2
705001025200	OPL-solar-battery-B-25.6V/54AH	775*270*183	27	2

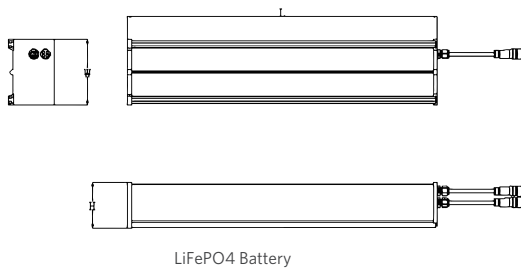
Dimensional Drawing



Model	L1(mm)	L2(mm)	W(mm)	H(mm)
LED SS-EA 50W	505	405	235	82
LED SS-EA 70W	505	405	235	82
LED SS-EA 90W	505	405	235	82



Model	L(mm)	W(mm)	H(mm)
Solar Panel 130W	1200	670	30
Solar Panel 200W	1240	992	35
Solar Panel 240W	1480	992	35



Model	L(mm)	W(mm)	H(mm)
Battery 1260	442	147	103
Battery 2542	576	147	103
Battery 2554	698	147	103

Photometric Data

