

LED Solar Street EA



### Application



### LIFEPO4 Battery Specification

Item Description	Battery Type	Capacity (Ah)	Rated Voltage (V)	Full charged Voltage(V)	Standard charging mode	Lifetime
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)
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)
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

### Streetlight Specification

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

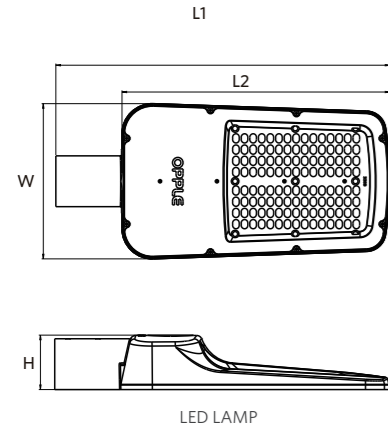
### Solar panel Specification

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

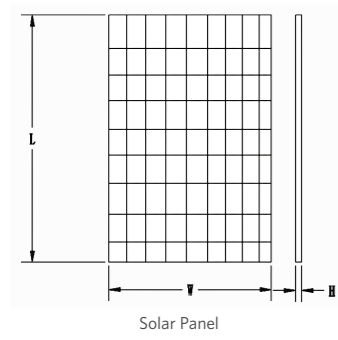
### Packaging Information

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

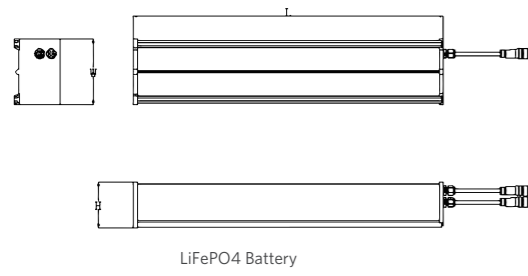
## Dimensional Drawing



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

