Product Features

◆Advanced charging mode, taking the most advantage of solar energy.

◆Use solar power to generate electricity, save the electricity cost;

◆No need to extended cables, saving installation costs;

◆Intelligently adjust the lights' power, ensure the battery has enough capacity to light up the street lights all night.

◆Fully low voltage power supply, safe and reliable;

◆Using lithium battery as energy storage device, long life span.

◆A variety of lighting modes can be selected by remote control.

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Solar System components

Solar Panels

Street light + controller + battery pack

Product Specifications

model	Light Source Power	Configuration		Remarks
		Lithium battery capacity	Solar Panels	
EU058	50W	7.4V/18AH	10V/28W	Can be customized according to customer requirements
EU108	100W	11.1V/16AH	14V/36W	

Lighting mode

Number / Mode		Description	Remarks
1	Time control	100% brightness in the first 4 hours, 10% brightness in the middle 6 hours, 50% brightness in the last 2 hours	Standard Configuration
2	Sensor	People (cars) detected,100% brightness, people (cars) leave, 20% brightness	Need to equip with infrared sensor module
3	Time control + Sensor	100% brightness in the first 4 hours, 100% brightness in the last 8 hours when people (car) detected, remain 20% brightness people(car) left	

Environmental condition	Working temperature	Stock temperature	Relative humidity	Atmospheric pressure	Heat disspation	I P grade
	-10~+35℃	-30~+60℃	5--95%	70-106KPa	Natural transmission	I P65

1.Remote Control Function

| Remote Control Button Function Introduction	Remote Control Picture
1 There are ON, OFF, 1, 2, 3, +, - in the remote control, 7 keys are valid, others are invalid keys;	
2 "ON" button is mainly used for debugging. When this button is pressed, the light should be fully lit in any mode, and it will be restored after 3 minutes;	
3 The "OFF" button is the power-off button. When this button is pressed, the light should be turned off in any mode, until the ''ON'' button is pressed to resume operation;	
4 "1", "2" and "3" are three mode selection keys . The default is mode 1. After re-selection, there is power-off memory function. After switching, it restart the timing;	
5 "+" and "-" are dimming keys, which are incremented or decremented by 10% each time, up to 100%, and as low as 10%, with power-off memory function.	

2.Safety Precautions ⚠

There is a battery inside, please stay away from the fire source
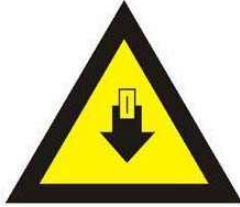
Pay attention to high temperature (do not use in environments above +60℃)
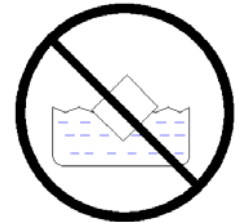

Pay attention to low temperature (do not use below -20℃)

⚠ Warning	
🚫	disassembly is prohibited,easy to malfunction and danger

Do not disassemble the battery pack

Avoid discarding

Avoid putting into the water

3.Accessories Components

1 Solar Mounting Bracket

2 Solar Panels
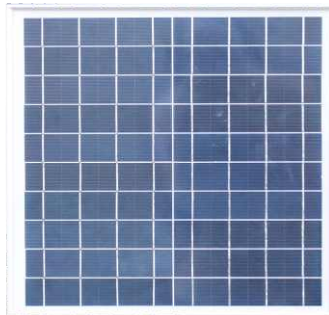
3 Street light + controller + battery pack

4 Cement Pole Accessories
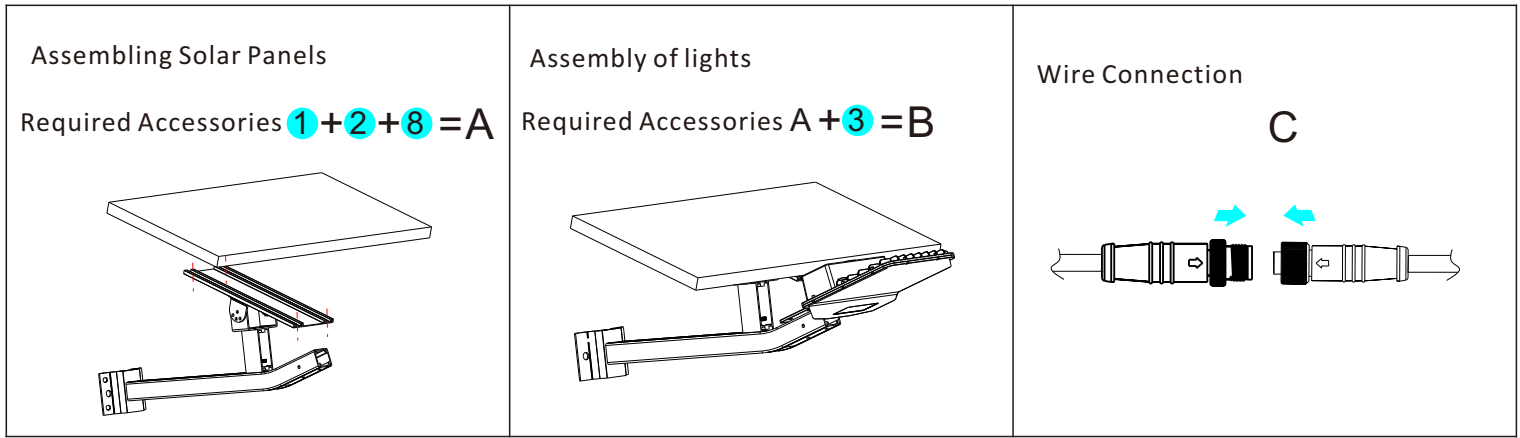
5 Standard Pole Accessories

6 M8*65mm/ screw

7 φ8 Expansion Bolt

8 M5*16mm/ screw

4.Lights Assembly

| Assembling Solar Panels	Assembly of lights	Wire Connection
Required Accessories ①+②+⑧=A	Required Accessories A+③=B	C

5.Lights Installation

⚠ Cautions:

①In order to achieve good power generation effect, when installing in mainland China, the solar panels should be oriented in the direction of 5-10 degrees in the south, and the best inclination angle is 25-45 degrees.

②,When install the solar panel, make sure the panel is adequately illuminated,get away from obstruction of walls, trees, and buildings to avoid insufficient battery charging, which resulted in affecting the lighting time.

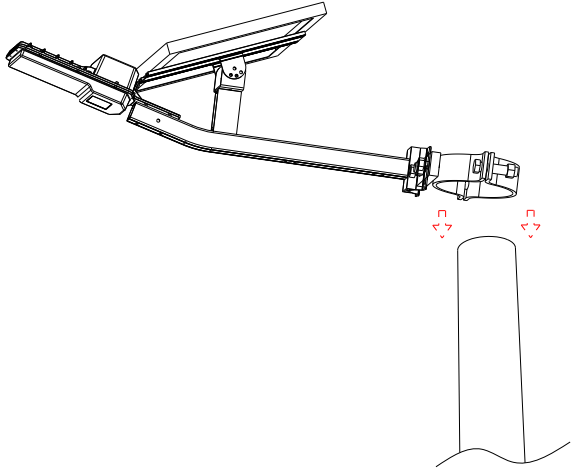③,Ensure the solar panel surface is clean without dust and dirt, which affect the power generation.

(1)Wall-mounted, use the expansion bolts to fix the lights to the wall. Required accessories C+⑦
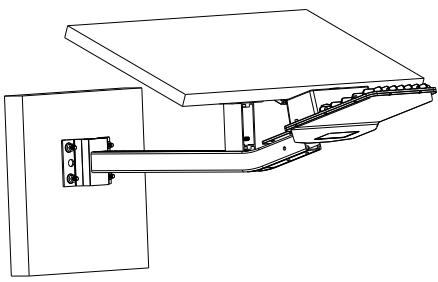
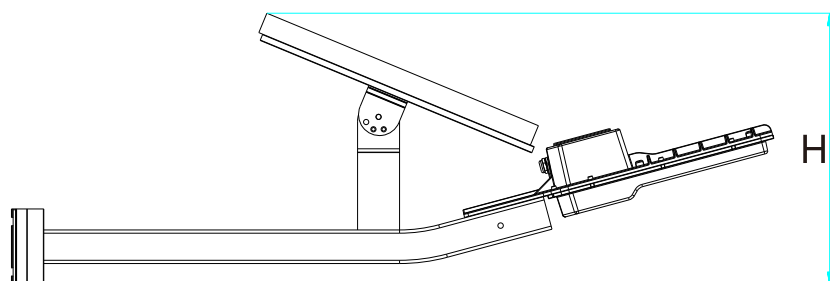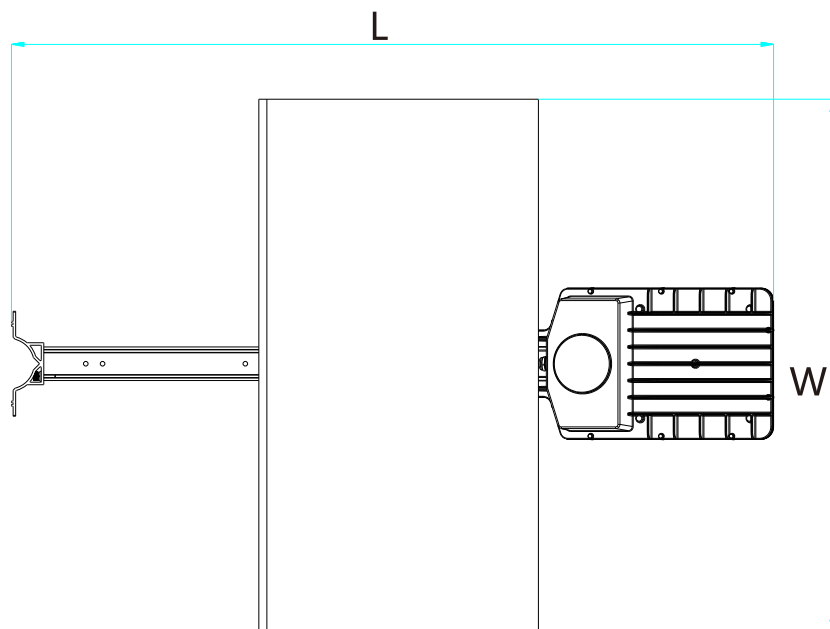(2)Standard Pole style,fixed on the pole with T bracket C+⑤+⑥
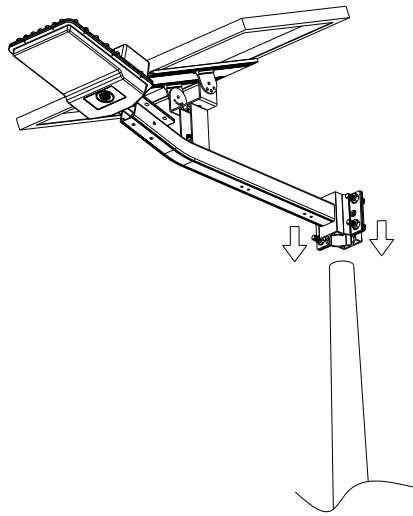
(3)Cement Pole style, fixed on the pole with cement pole accessories. C+④

Product size

	L	W	H
E U058	907.5	550	323.1
E U108	907.5	635	323.1

unit : mm

Logistical Data

Model#	N.W	Inner box size	Quantity	G.W	Carton Size	G.W	PCS/CTN
EU058	5.7KG				700*405*210mm	6.8KG	1
EU108	6.3KG				700*405*210mm	7.4KG	1

YYC®