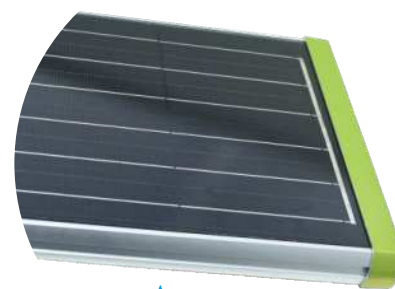| Product Name	All-in-one Solar Street Light
Product No	SLA
Manual No	02
Date	2020.05

2020
New Solar Light

LIADE

Component Details

LiFePo4 battery, 8 years service life

No memory effect, highly efficient charge anytime

Good performance at high temperature resistance
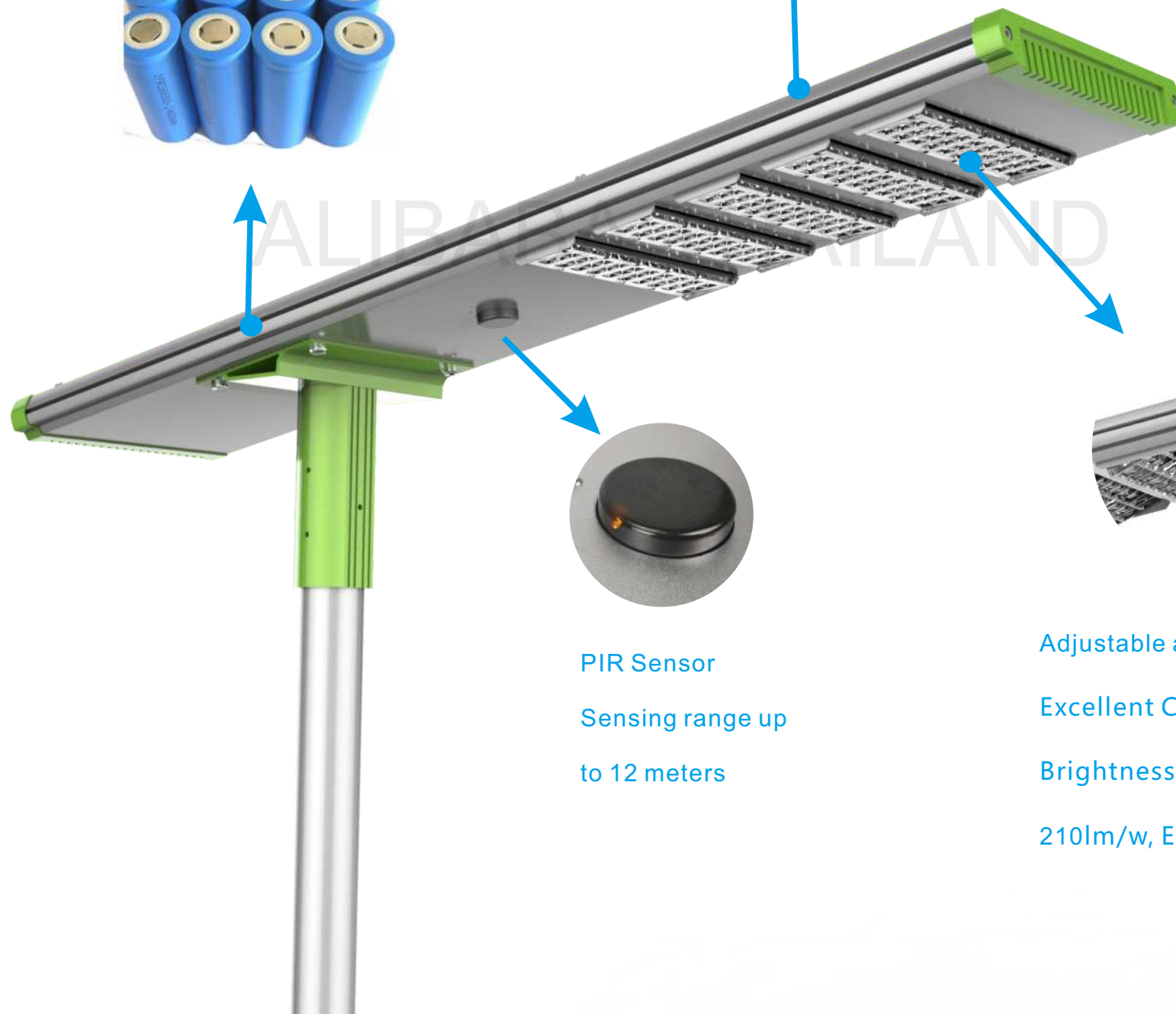
Low self-discharge rate < 3% monthly

21% photoelectric conversion efficiency

Snow/Wind load

PID resistant

25-year progressive warranty

PIR Sensor

Sensing range up

to 12 meters

Adjustable angle module design

Excellent Color Consistency

Brightness Decay can be as low as 3%

210lm/w, Energy Saving over 50%

Our Advantage

Main features:

1.2019 patented product, beautiful appearance and adjustable molded design.

2.Using high brightness Bridgelux / Osram / Philips led chip up to 210lm/w.

3.Big capacity and deep cycle LiFePO4 lithium battery, 8 years service life.

4.Top quality solar cells, smaller size but higher efficiency.

5.Night sensor + PIR motion sensor, support 4-5 nights after full charging.

Feature

Professional lighting design

140 degree beam angle, can provide much wider effective lighting area
Anti-glare design, more uniform lighting
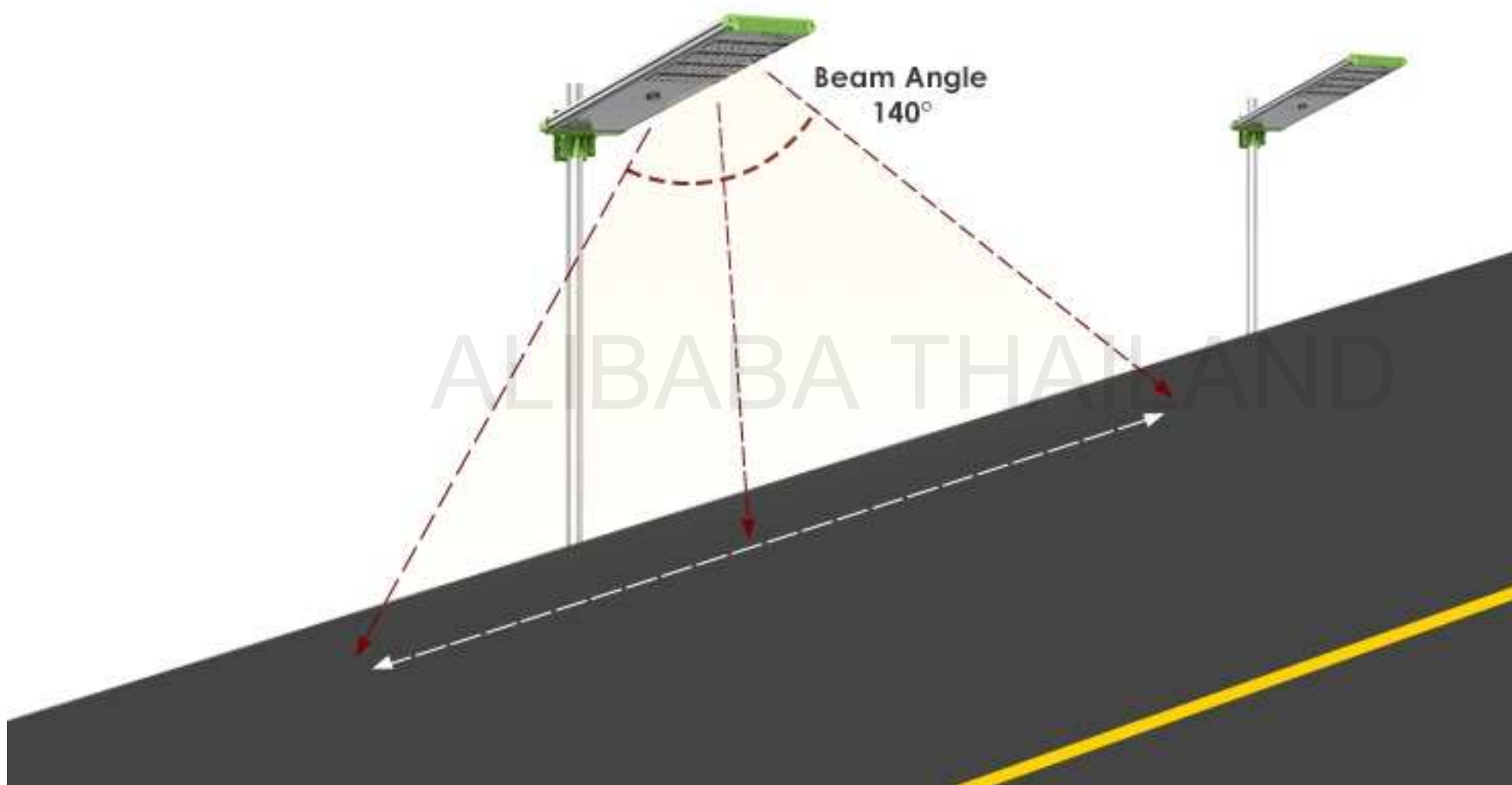
Remote Control Model (30-120W)

DEMO: No matter day or night, light "on" for 1 minute.
Only for test use.

OFF: No matter day or night, light "OFF" .

L: At night, 12hr full power.

T: At night, 4hrs Full Power+8hrs 25%.

M: At night, 12hrs Motion Sensor Control.

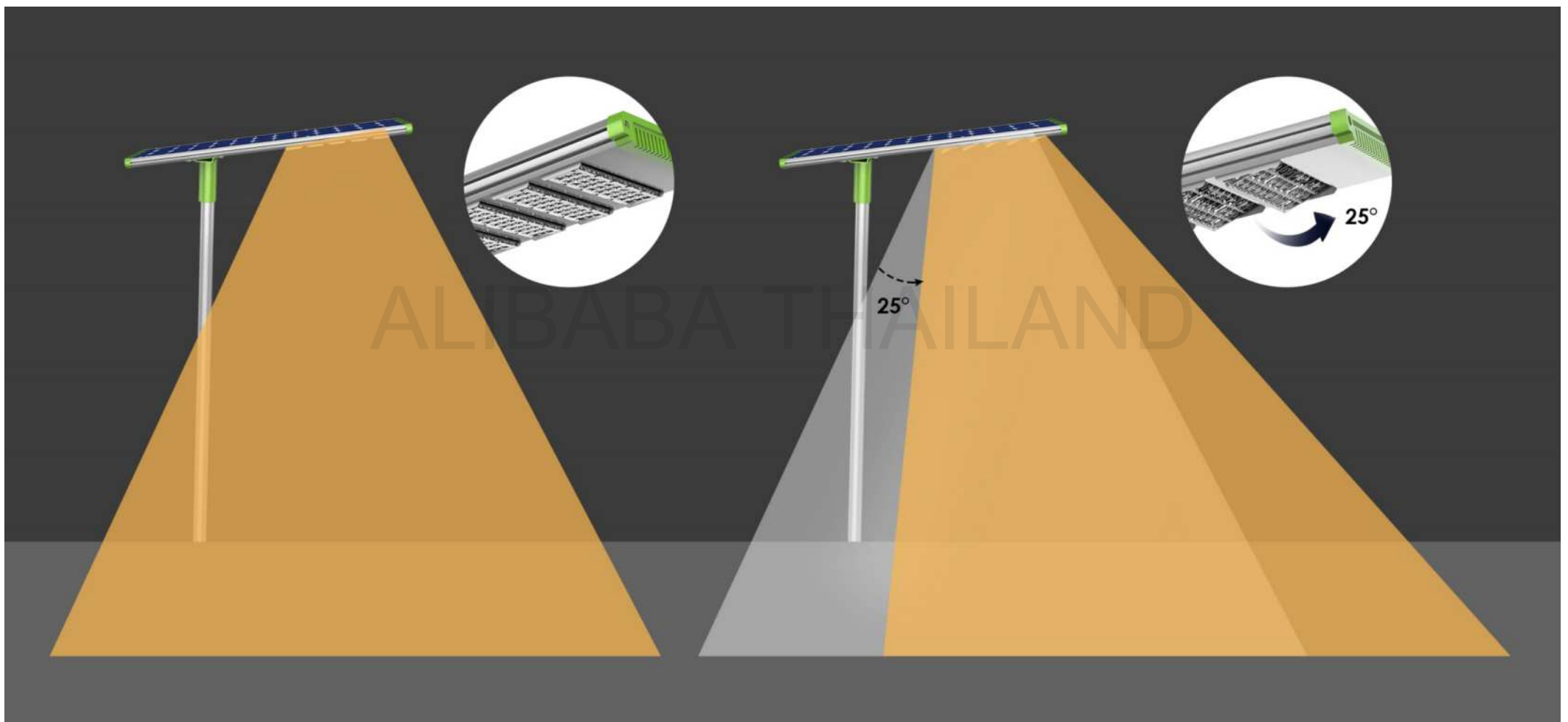**U:** At night, 4hrs Full Power+8hrs Motion Sensor Control.

Feature

Adjustable Angle LED Module
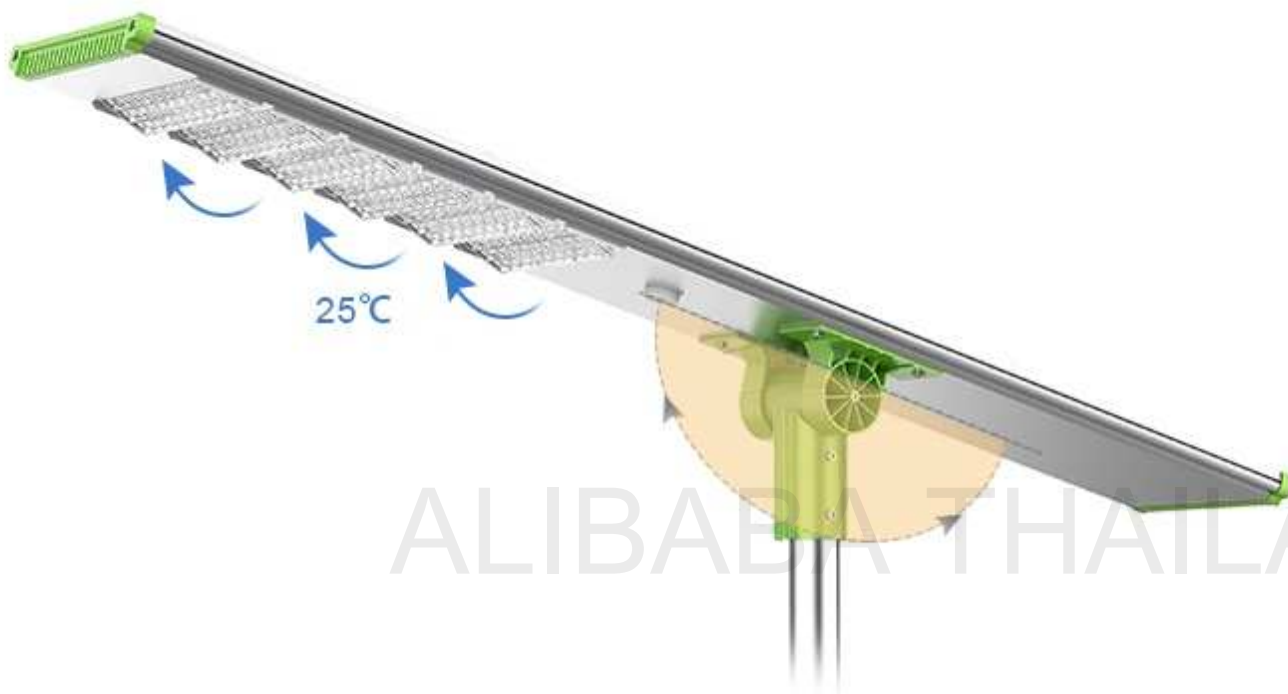
25 degree adjustable angle module design, can be adjusted according to road conditions.

Feature

180°Adjustable Bracket

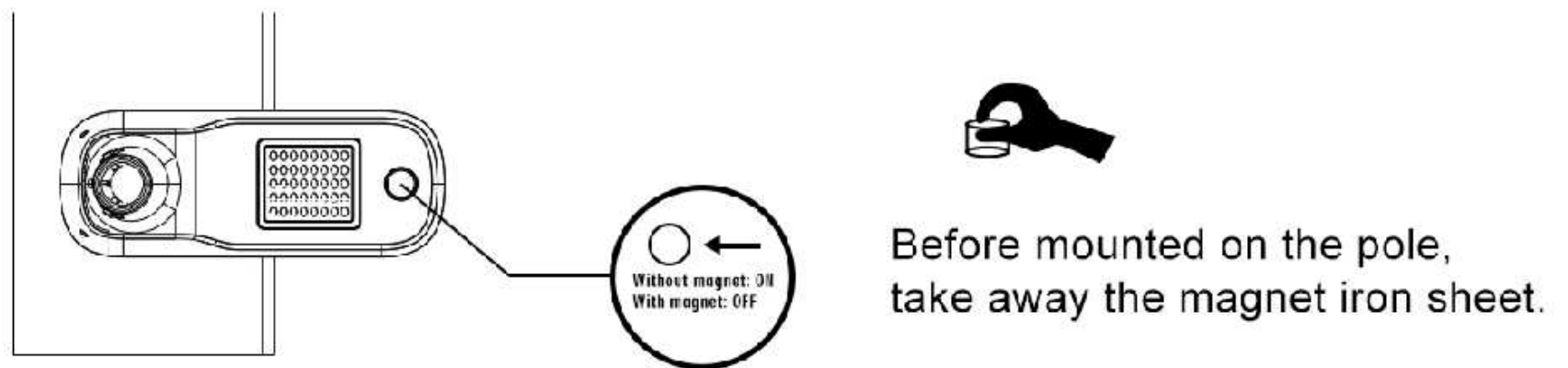Various LED Modules are available
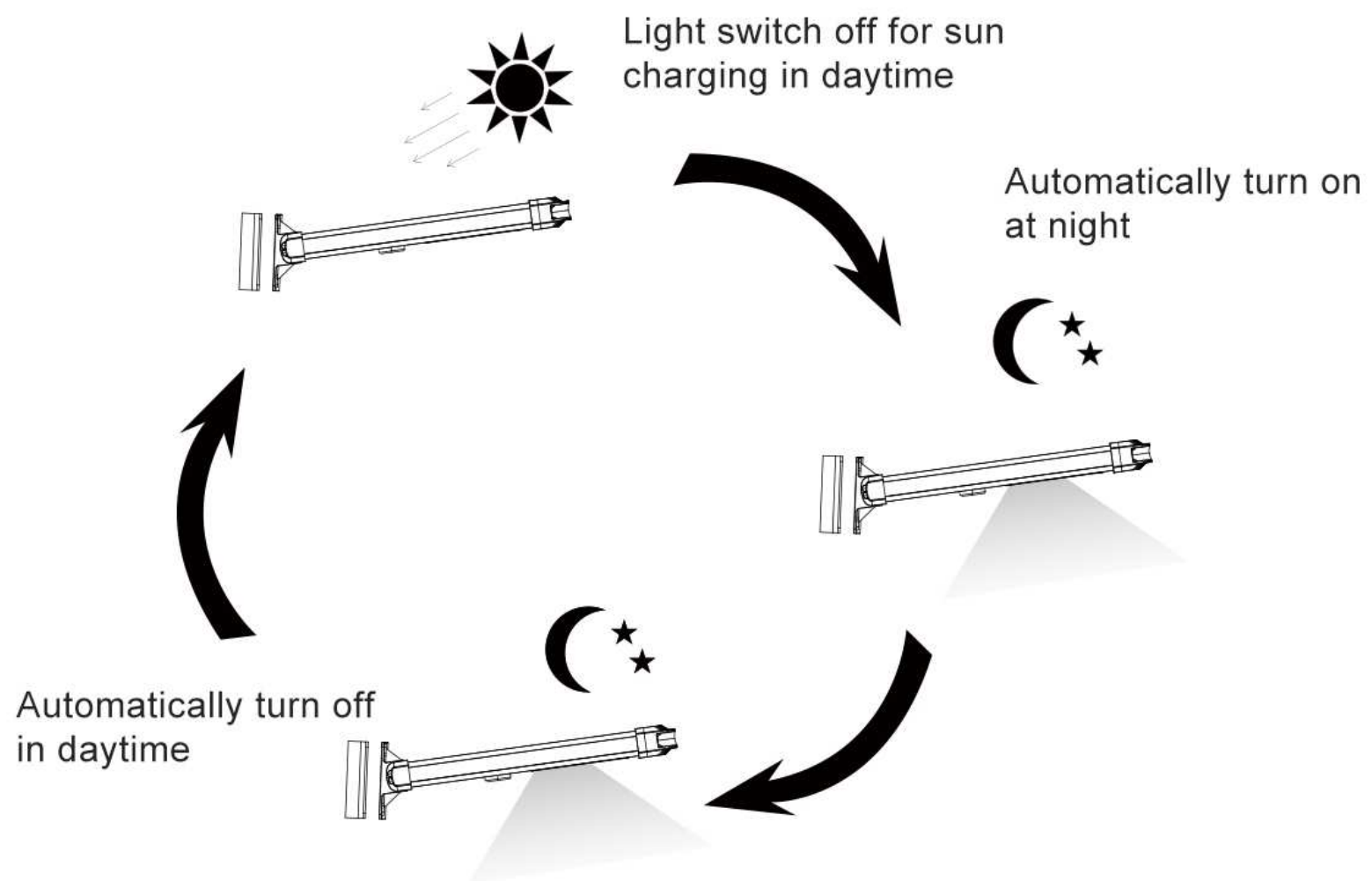
HD Wifi Camera(optional)

WIFI Features

High resolution with 90 degree view angle ; solar lamps and camera are integrated, no additional installation; Easy operation with WIFI connection

Operation Instructions

Without magnet: ON
With magnet: OFF

Before mounted on the pole,
take away the magnet iron sheet.

The internal battery is locked from factory for safety shipment, so users have to take away the magnet iron sheet to unlock the battery and lighting system.

Light switch off for sun charging in daytime

Automatically turn on at night

Automatically turn off in daytime

Basic Parameters: SLA-30W

Electrical Characteristic	
Rated Power	30W
Solar Panel(Mono)	18V50W
LifePO4 Battery	12.8V 24AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters	
LED	60pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification	
Light Body Size	755*370*175mm
Mounting caliber	60-70mm
Retail Packaging	82.5*20.5*44cm
Gross Weight	12.5kg
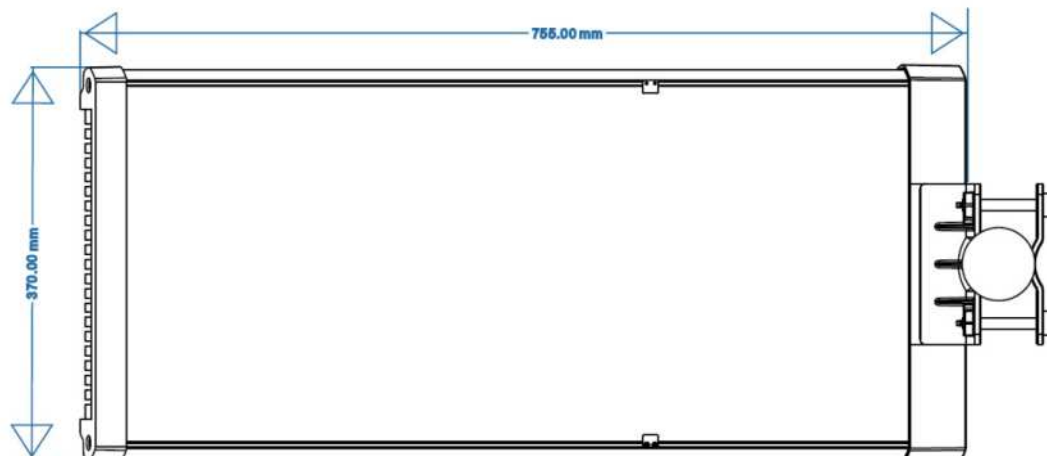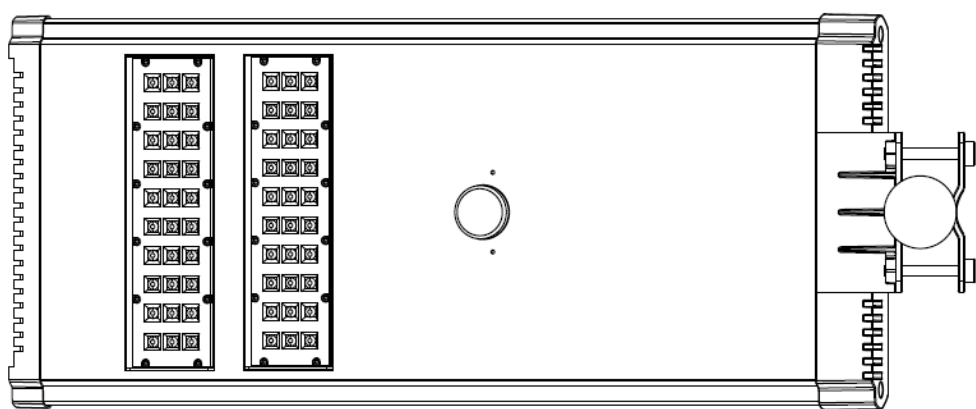
Basic Parameters: SLA-40W

Electrical Characteristic

Rated Power	40W
Solar Panel(Mono)	18V65W
LifePO4 Battery	12.8V 28AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters

LED	90pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification

Light Body Size	895*370*175mm
Mounting caliber	60-70mm
Retail Packaging	96.5*20.5*44cm
Gross Weight	13.6kg
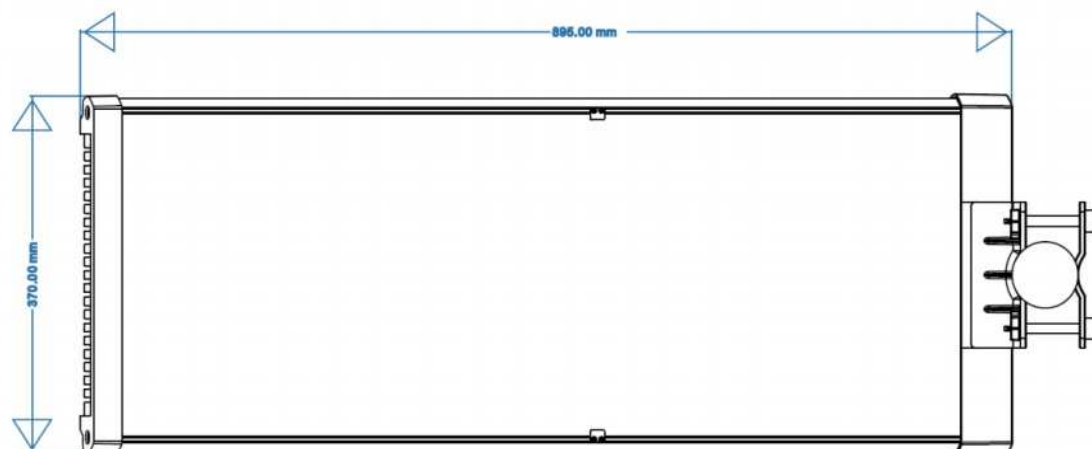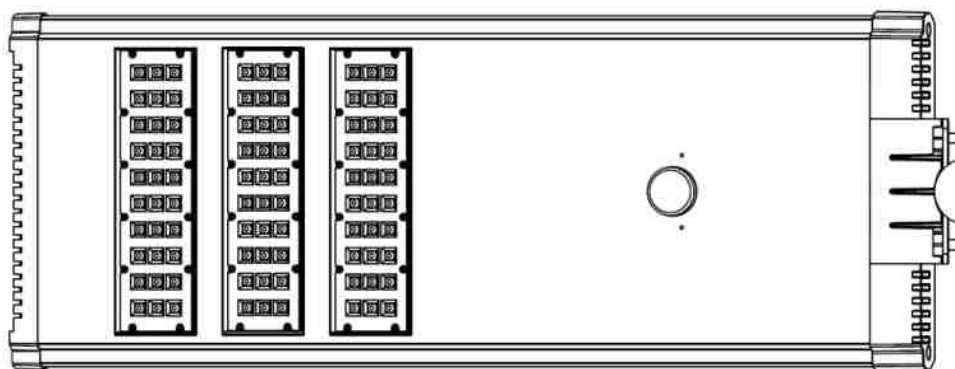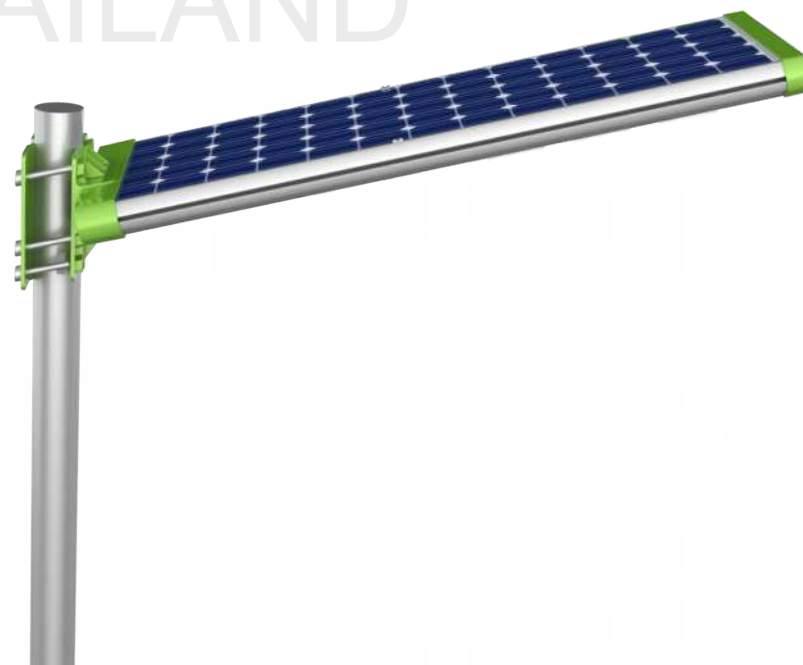
Basic Parameters: SLA-50W

Electrical Characteristic

Rated Power	50W
Solar Panel(Mono)	18V70W
LifePO4 Battery	12.8V 36AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters

LED	120pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification

Light Body Size	1125*370*175mm
Mounting caliber	60-70mm
Retail Packaging	119.5*20.5*44cm
Gross Weight	16.7kg
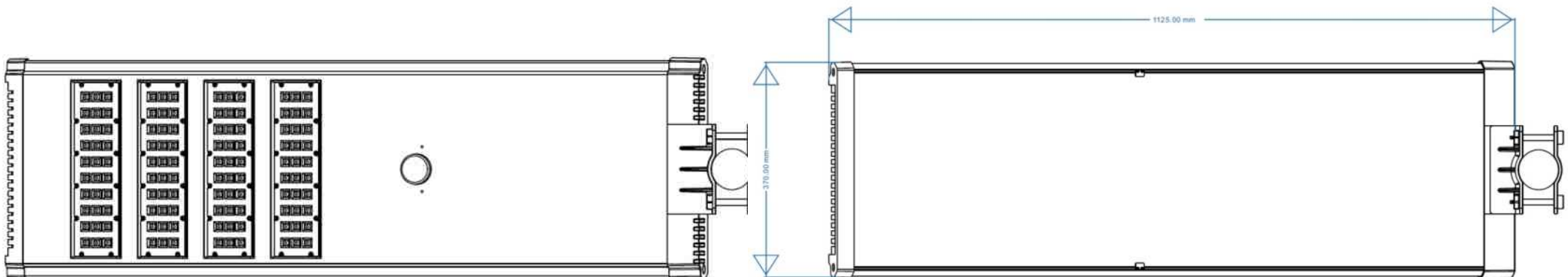
Basic Parameters: SLA-60W

Electrical Characteristic	
Rated Power	60W
Solar Panel(Mono)	18V80W
LifePO4 Battery	12.8V 42AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters	
LED	120pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification	
Light Body Size	1125*370*175mm
Mounting caliber	60-70mm
Retail Packaging	119.5*20.5*44cm
Gross Weight	17kg
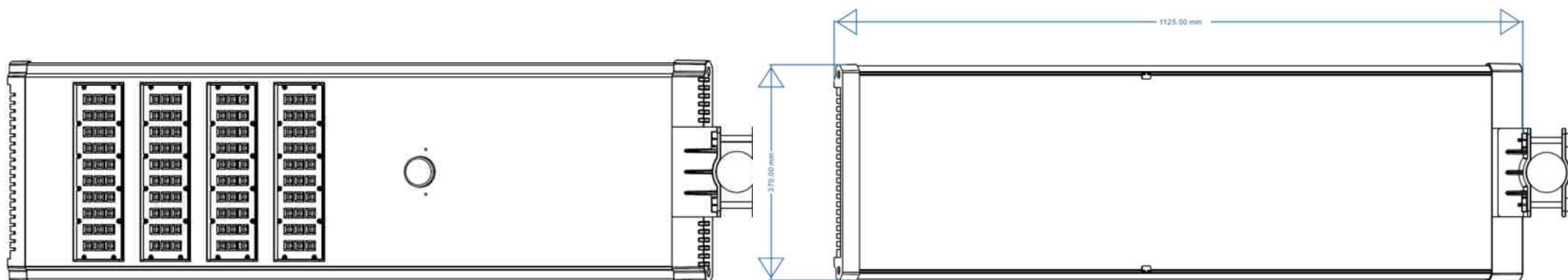
Basic Parameters: SLA-80W

Electrical Characteristic	
Rated Power	80W
Solar Panel(Mono)	18V100W
LifePO4 Battery	12.8V 57AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters	
LED	150pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification	
Light Body Size	1540*370*335mm
Mounting caliber	<80mm
Retail Packaging	161*11*44cm(Lamp)
	29*22*29.5cm(Bracket)
Gross Weight	20kg(Lamp)
	2.9kg(Bracket)
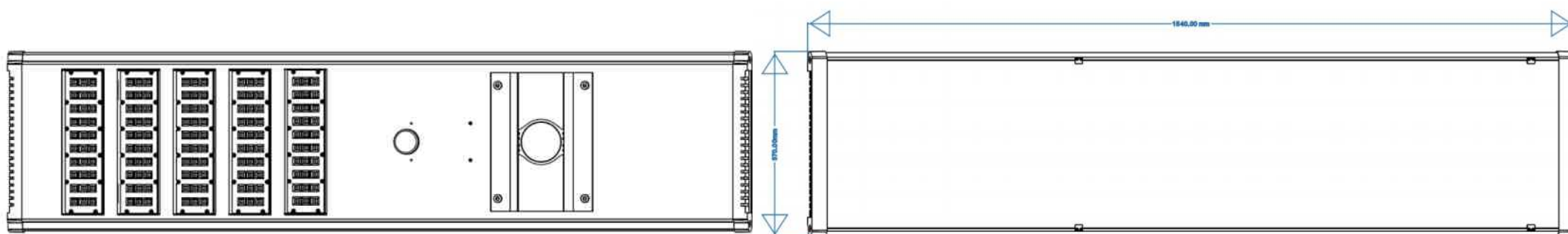
Basic Parameters: SLA-100W

Electrical Characteristic

Rated Power	100W
Solar Panel(Mono)	18V130W
LifePO4 Battery	12.8V 63AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters

LED	180pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification

Light Body Size	1860*370*335mm
Mounting caliber	<80mm
Retail Packaging	193*11*44cm(Lamp)
	29*22*29.5cm(Bracket)
Gross Weight	24.5kg(Lamp)
	2.9kg(Bracket)

1860.00 mm

370.00 mm
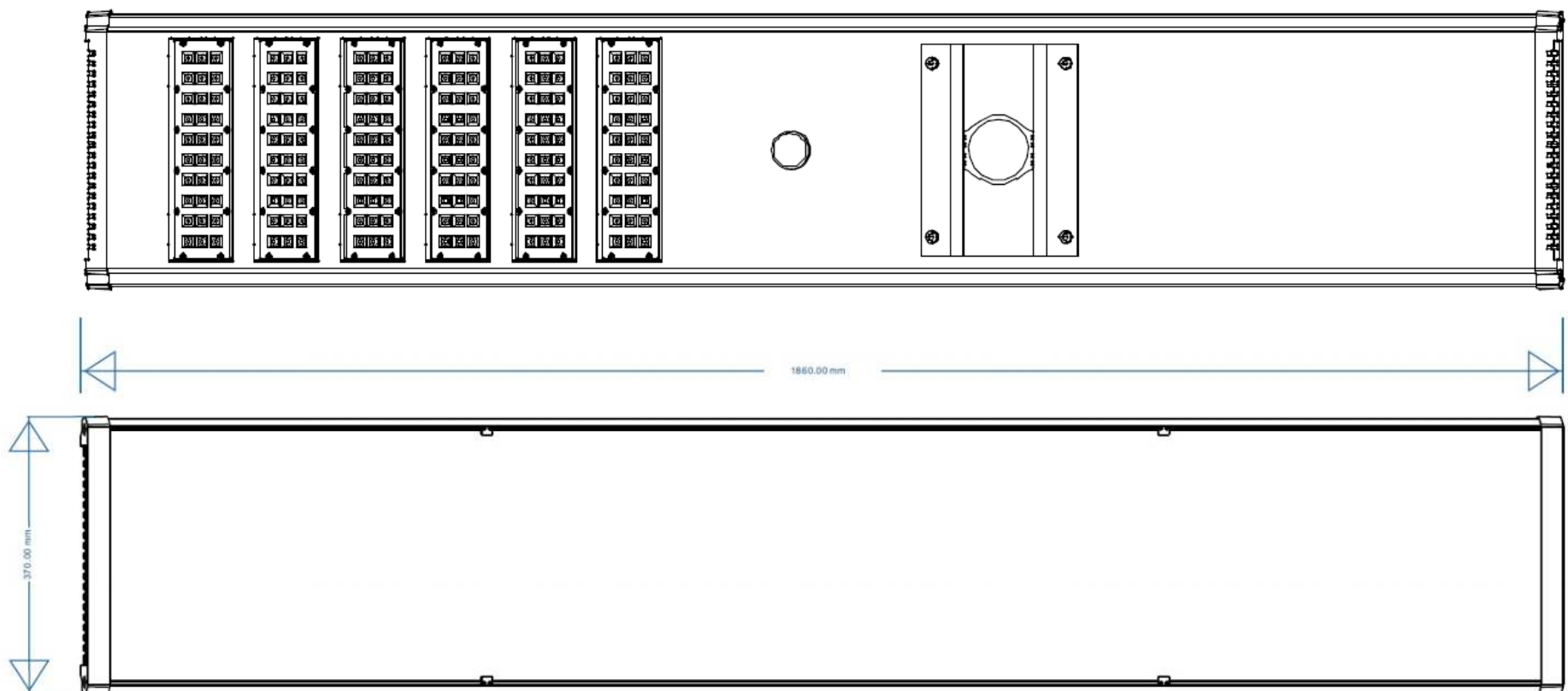
Basic Parameters: SLA-120W

Electrical Characteristic	
Rated Power	120W
Solar Panel(Mono)	18V140W
LifePO4 Battery	12.8V 72AH
Charging Time	6-8H
Lighting Time	4-5 nights
Working Temperature	−25℃~+65℃
Sensing Distance	≤12M

LED Parameters	
LED	180pcs 3030
Luminous FLux	210lm/w
Light Distribution	Batwing Type
Color Temperature	2800-6500K

Mechanical Specification		
Light Body Size	1860*370*335mm	
Mounting caliber	<80mm	
Retail Packaging	1930*11*44cm(Lamp)	
	29*22*29.5cm(Bracket)	
Gross Weight	25.5kg(Lamp)	
	2.9kg(Bracket)	