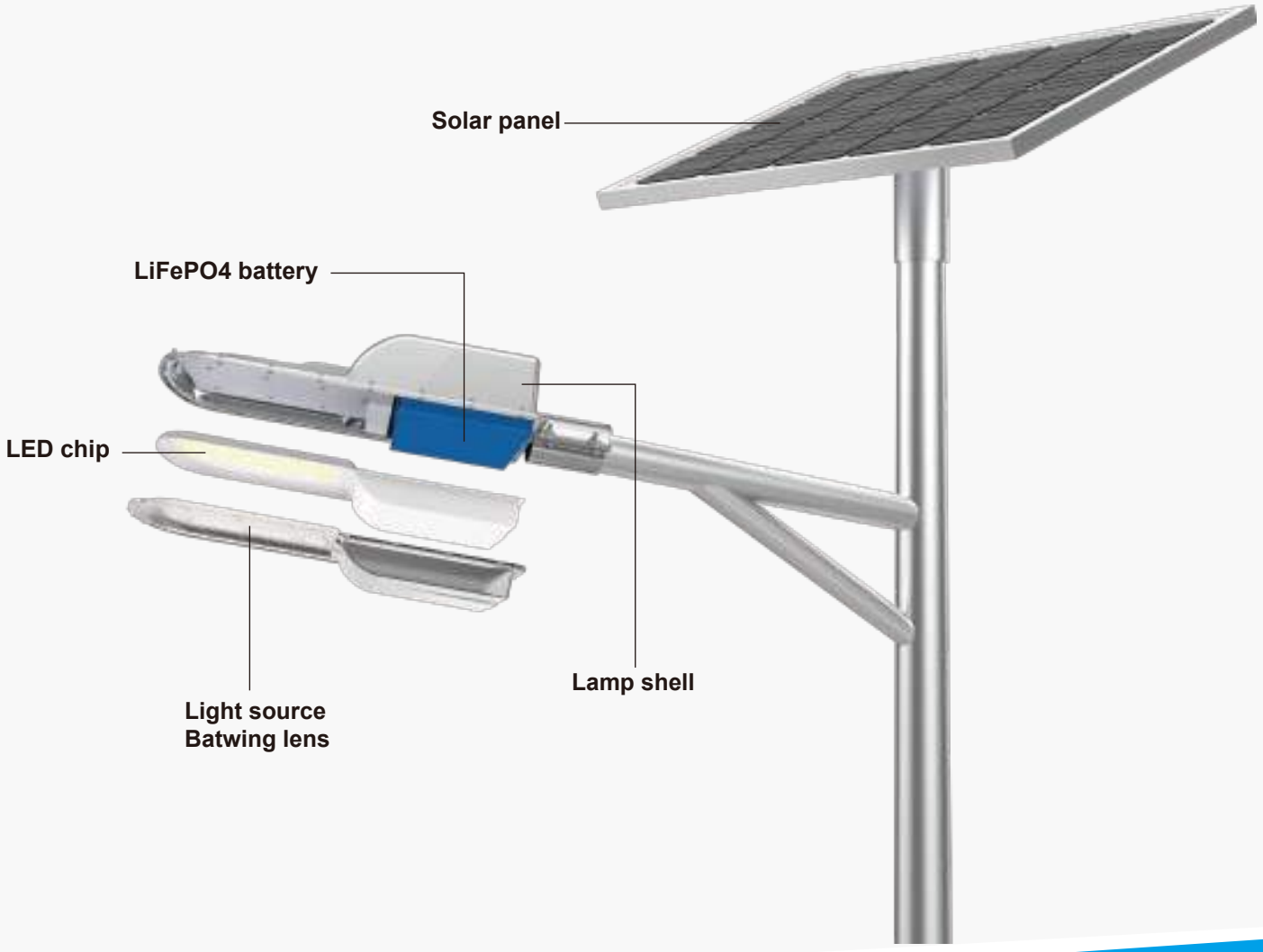
Road Smart

# Solar Street Light

## Y series

Solar Street Light YY series
Solar Street Light YP series
Solar Street Light YH series






## All in two structure is easy to transport, install and maintain



YP series



YY series



YH series

# Core Technologies

### Light Efficiency Management
Multiple led chip work simultaneously, the whole system light efficiency has been improved to 160lm/w.

### Charge and Discharge Management
Protect battery by software and hardware, more than 2000 time's cycles.

### IPC 5.0 Technology
Five-stage intelligent power,intelligent algorithm to achieve perfect balance of brightness and discharge time.

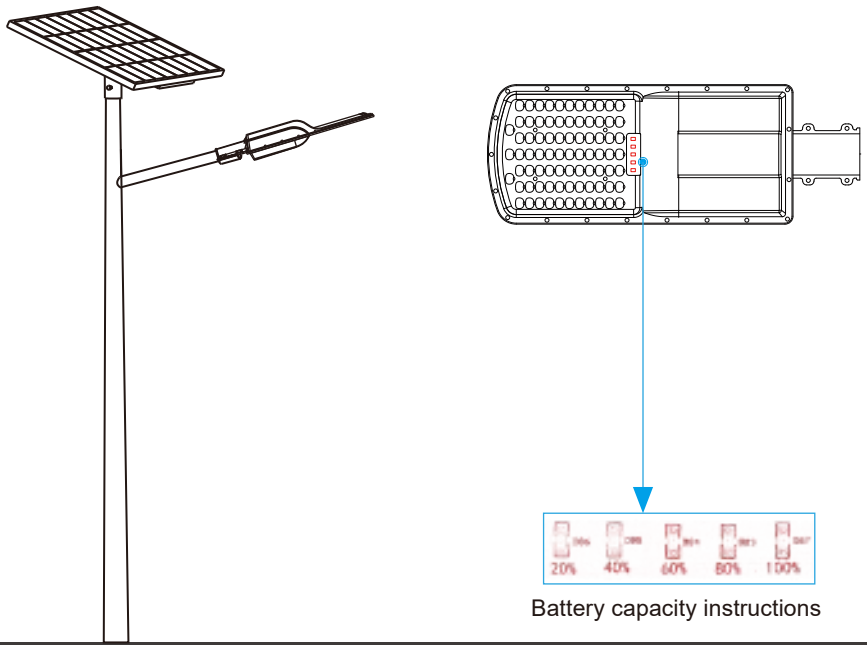
### Patent Bat-wing Lens
Lighting area much wider, the maximum of using the lighting all light the road.

### Intelligent power control
Judge recent climate plan the reasonable discharge power.

### Battery Power indicator
To check lamp's charge and dischange conveniently.

# Battery Indicator

## Indicator light status instructions




Battery capacity instructions

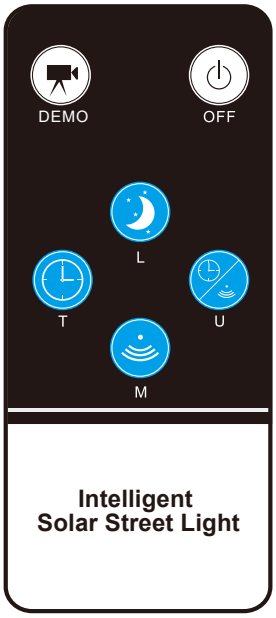
YH-100-M、YH-120-M、YP-150、YP-200

There are three indicator lights

| LED | Indications | Status | Functions |
|---|---|---|---|
| Blue | Charging indication | Long-term On | During the day, it's not charging |
| | | Slow twinkling | Be charging |
| | | Long-term Off | Night |
| Red | Battery indication | Long-term On | Battery works normally |
| | | Long-term Off | Battery is not connected/No power |
| | | Fast twinkling | Battery is over discharged |
| | | Slow twinkling | Battery full charged |
| Green | Load indication | Long-term On | Load is on |
| | | Long-term Off | Load is off |

# Remote Control

## 6 working modes




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

OFF: Light "off", no matter day or night

L: 100%-2hrs, 60%-3hrs, 20%-dawn

T : At night,100%-3hr, 50%-3hrs, 30%-2hrs:

M: At night, 100%-3hrs, 50%-3hrs

U: At night, 100%-3hrs, 50%-3hrs(Highlight mode)

Solar Street Light YY series L mode:

L: At night, 100%-3 hrs, 50%-2 hrs, 20%-dawn

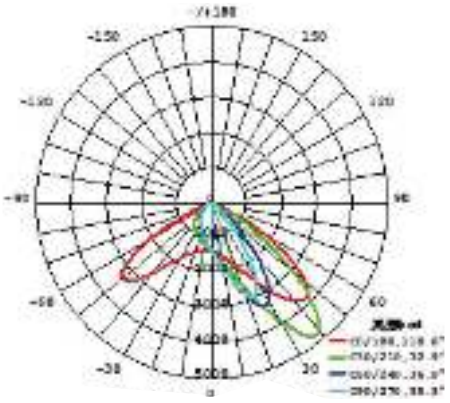
Note:

1、Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

2、U Highlight mode: Increase 30% on the original basis, mean 3H-130%, 3H-80%.

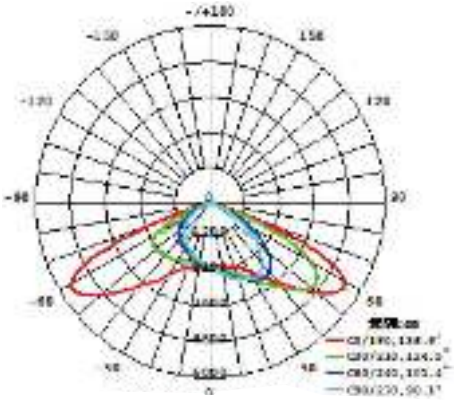
# Light Distribution

## Luminous intensity distribution curves



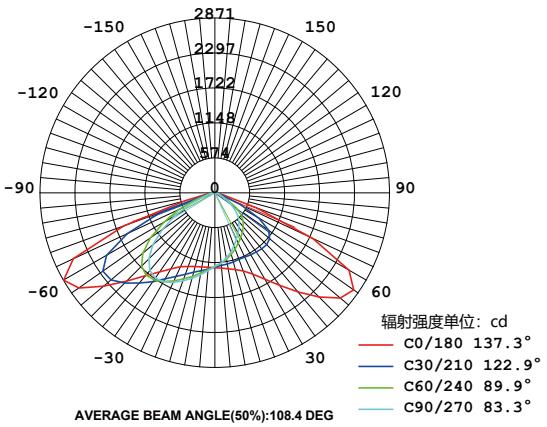
AVERAGE BEAM ANGLE(50%):55.8 DEG

YY series



AVERAGE BEAM ANGLE(50%):113.1 DEG

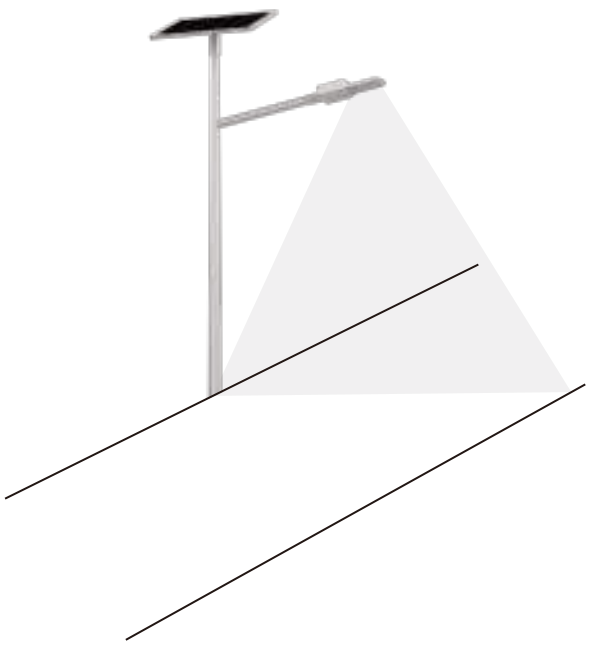
YP series

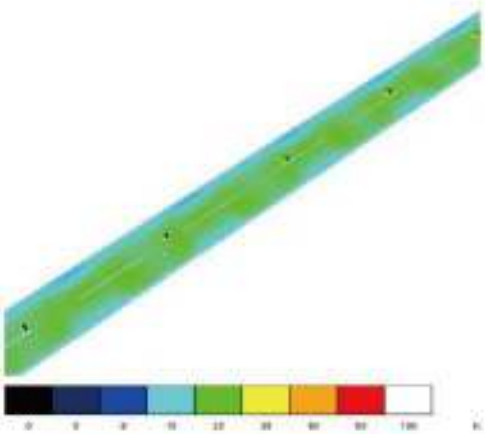



AVERAGE BEAM ANGLE(50%):108.4 DEG

YH series

## Bat wing lens with polarized light

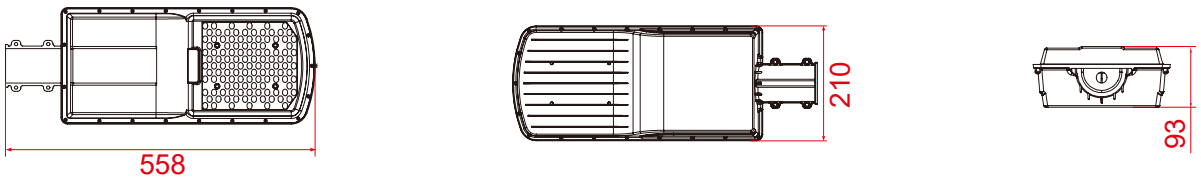




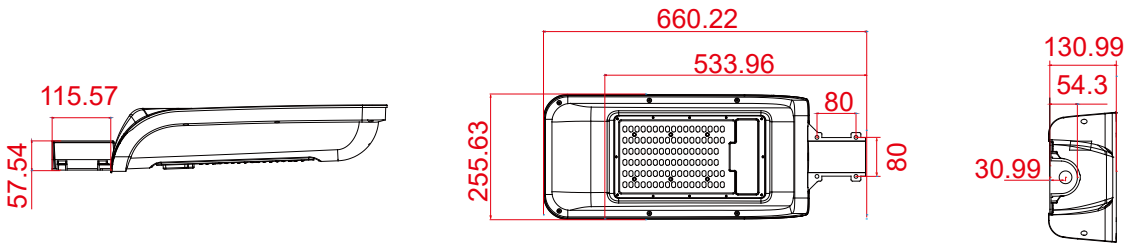
# Dimension

## lamp head

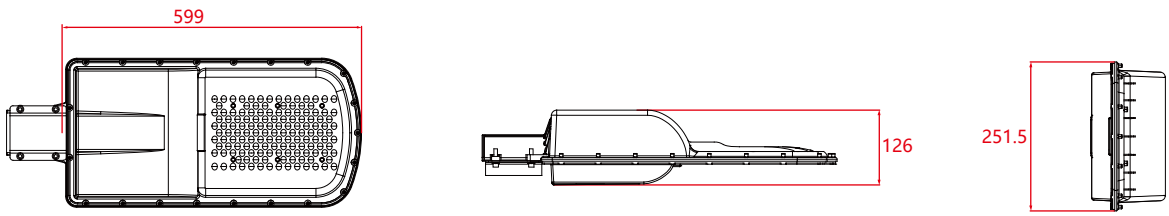
YY-80、YY-100



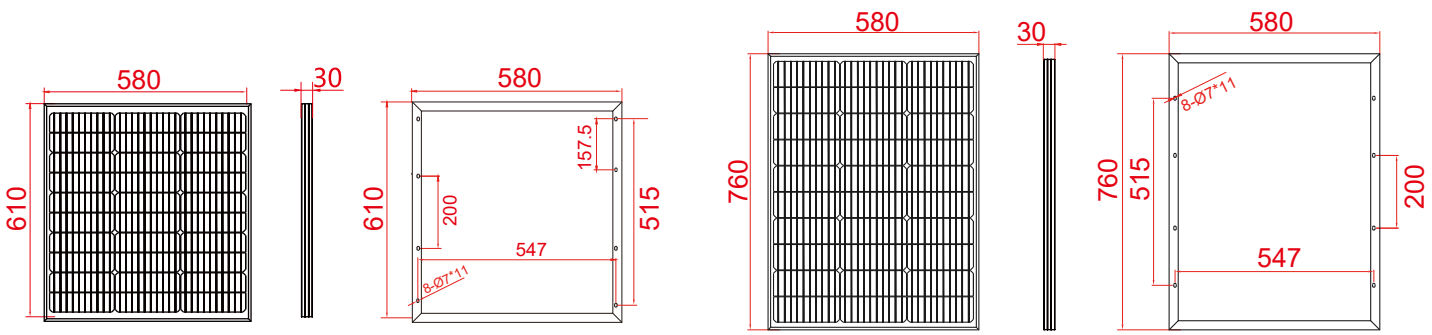

YP-150、YP-200-A、YP-200




YH-100、YH-120

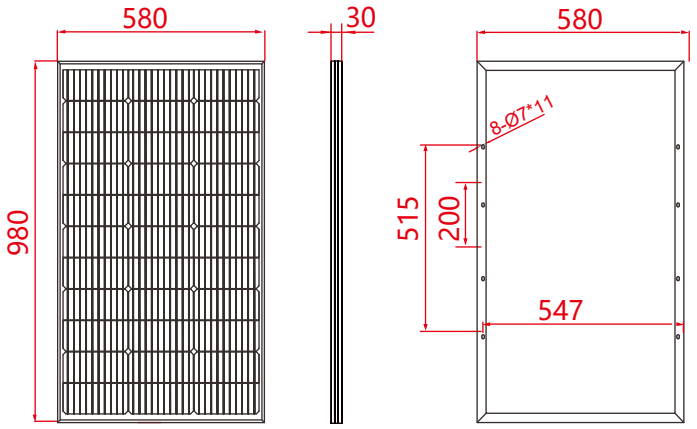



## Solar panel

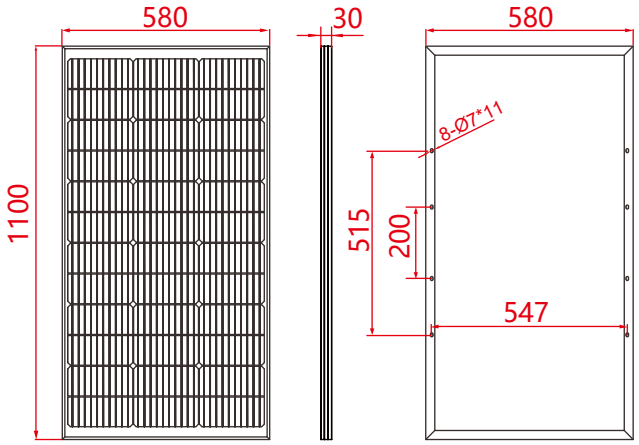



60W/6V

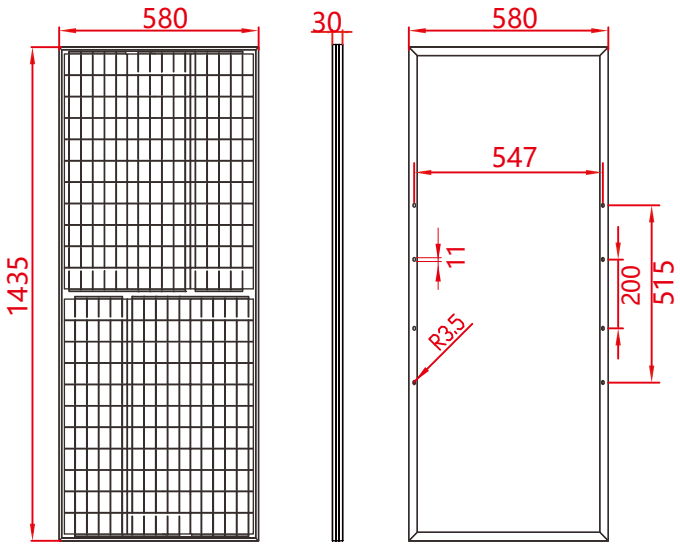
80W/6V



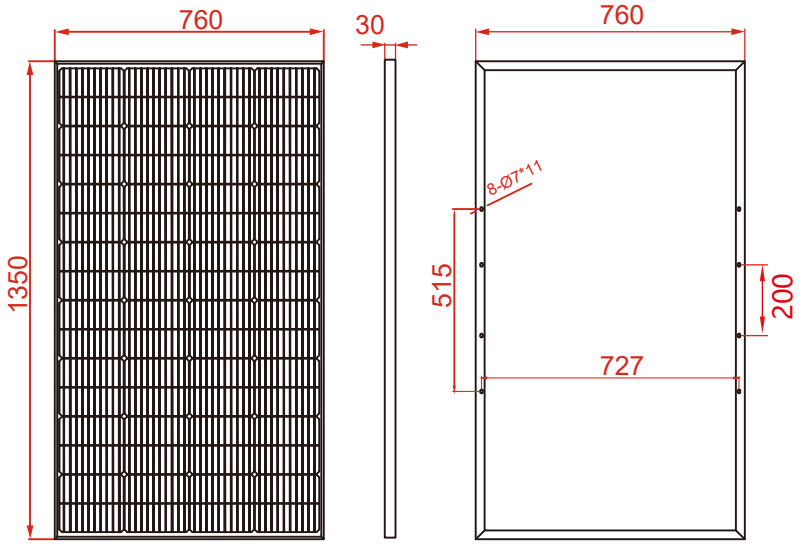

100W/18V




120W/18V




150W/18V




200W/18V

# Parameter

| Type | YY-80 | YY-100 | YH-100-M | YH-120-M | YP-150 | YP-200-A | YP-200 |
|---|---|---|---|---|---|---|---|
| **Lamp head** | | | | | | | |
| Light output | 20W | 30W | 40W | 50W | 60W | 70W | 70W |
| LED chip | 120pcs | | 140pcs | | | 140pcs(5050) | |
| Luminous flux | 3400lm | 4800lm | 6400lm | 8000lm | 9600lm | 12800lm | 12800lm |
| Beam angle | 150°*70° | | | 155°*55° | | 160°*45° | |
| Lifespan | 50000hrs | | | | | | |
| IP Rating | IP65 | | | | | | |
| Working temperature | -20°C~60°C | | | | | | |
| Color temperature | 6000-7500K | | | | | | |
| CRI | Ra≥70 | | | | | | |
| **SOLAR PANEL** | | | | | | | |
| Power | 60W | 80W | 100W | 120W | 150W | 150W | 200W |
| Voltage | 6V | | 18V | | | | |
| Solar cell efficiency | 17%-18% | | 19%-20% | | | | |
| Material | Monocrystalline silicon | | | | | | |
| **BATTERY** | | | | | | | |
| Capacity | 192WH | 256WH | 320WH | 384WH | 512WH | 640WH | 640WH |
| Lighting time(full charged) | 5-7 rainy days | | | | | | |
| Lithium battery | LiFePO4 | | | | | | |
| **INSTALLATION** | | | | | | | |
| Top diameter of pole | 60 mm | | | | | | |
| Mounting height | 5-6M | 7-8M | 7-8M | 8-10M | | | |
| Installation spacing | 20-40M | | | | | | |

# Application







