

Solar Street Light

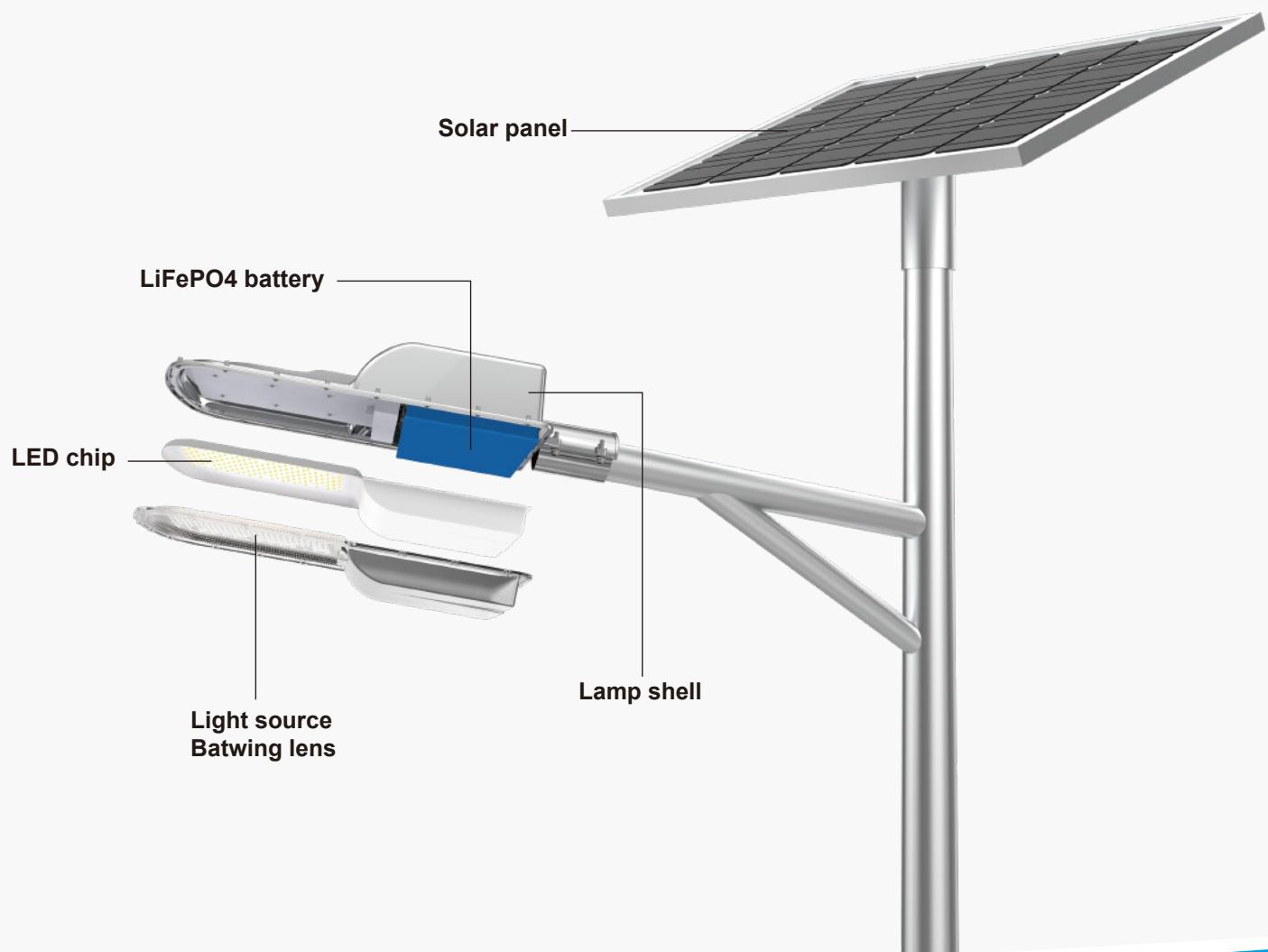
Y series

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



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.

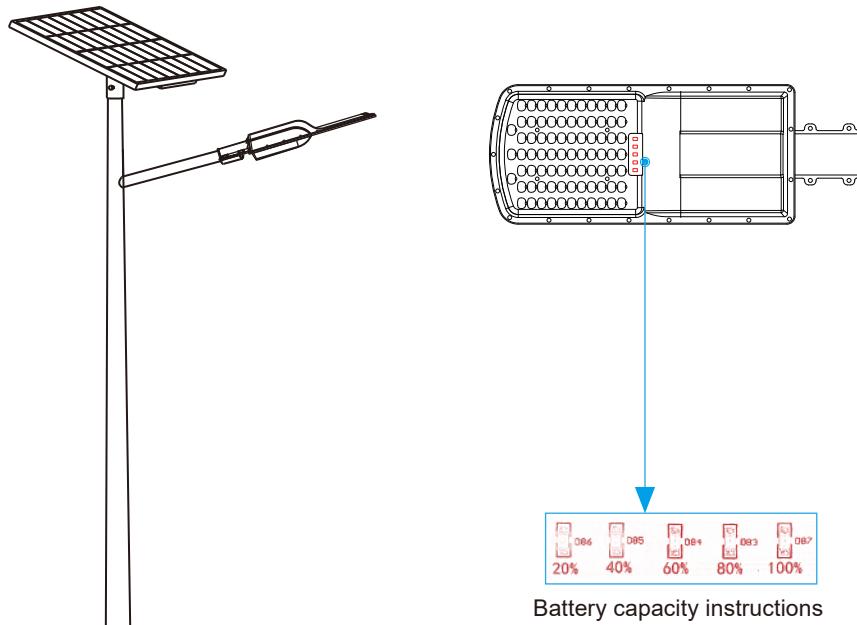


Battery Power indicator

To check lamp's charge and discharge conveniently.

Battery Indicator

Indicator light status instructions



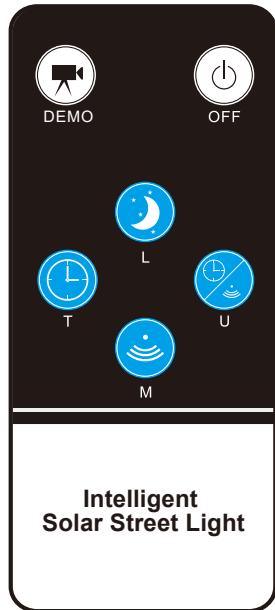
Battery capacity instructions

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 |

6 working modes



- ① **DEMO:** No matter day or night, light "on" for 1 minute.
Only for test use
- ② **OFF:** Light "off", no matter day or night
- ③ **L:** 100%-2hrs, 60%-3hrs, 20%-dawn
- ④ **T:** At night, 100%-3hr, 50%-3hrs, 30%-2hrs
- ⑤ **M:** At night, 100%-3hrs, 50%-3hrs
- ⑥ **U:** At night, 100%-3hrs, 50%-3hrs(Highlight mode)

Solar Street Light YY series L mode:

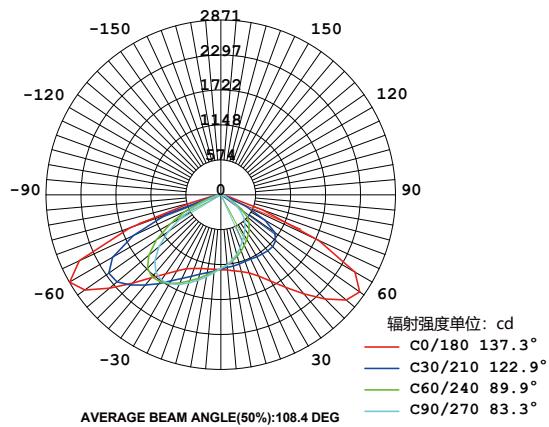
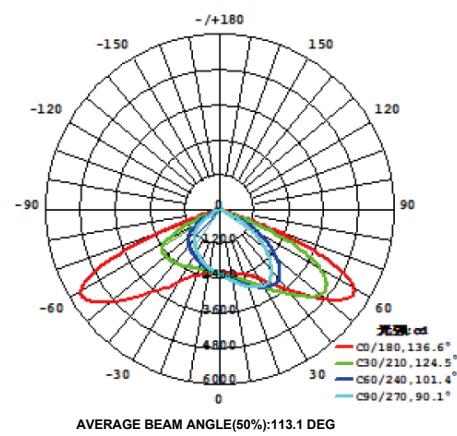
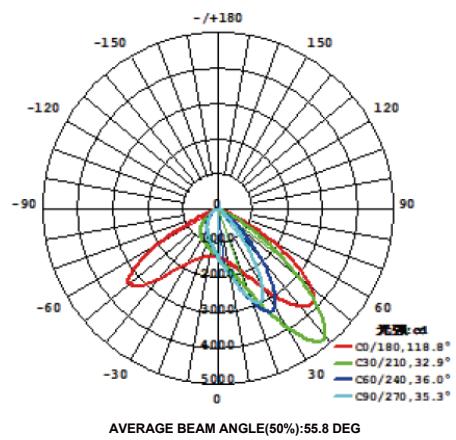
L: At night, 100%-3 hrs, 50%-2 hrs, 20%-dawn

Note:

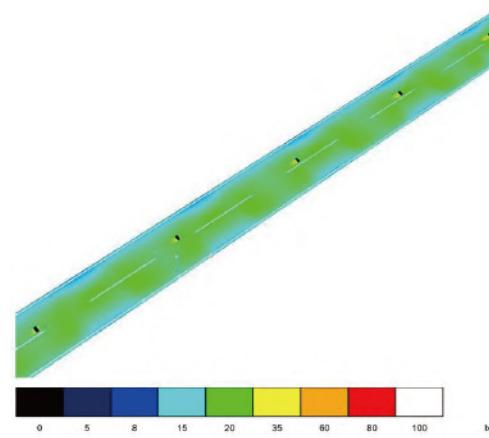
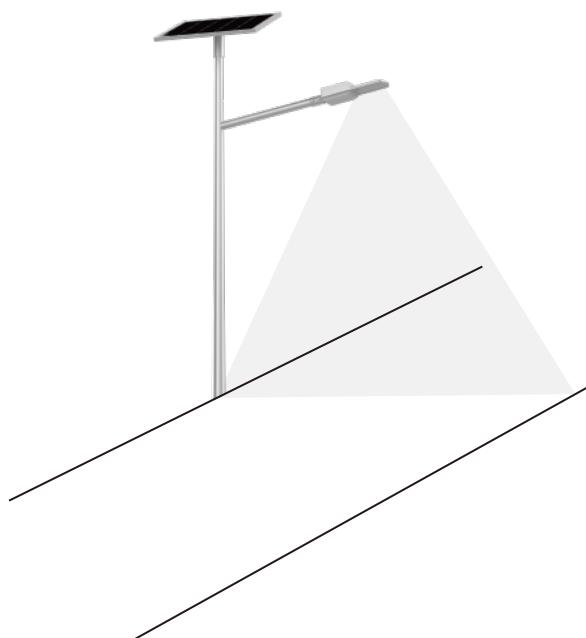
- 1、Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.
- 2、U Highlight mode: Increase 30% on the original basis, mean 3H-130%, 3H-80%.

Light Distribution

Luminous intensity distribution curves



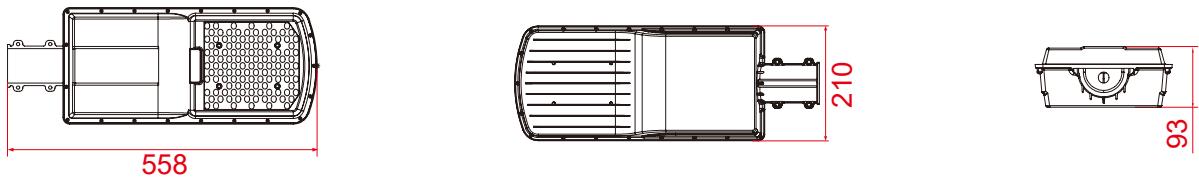
Bat wing lens with polarized light



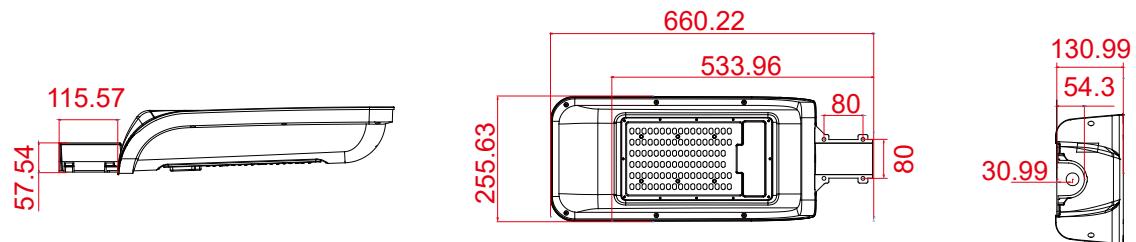
Dimension

lamp head

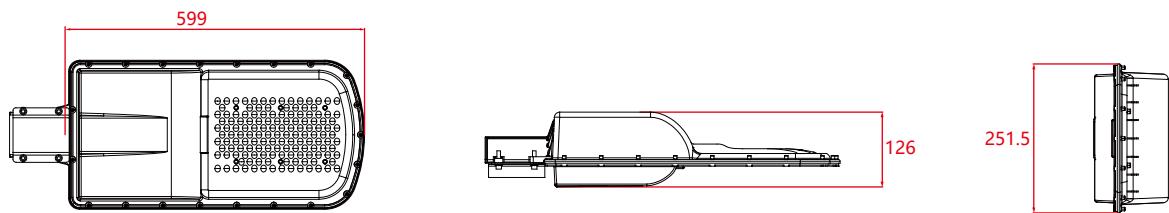
YY-80、YY-100



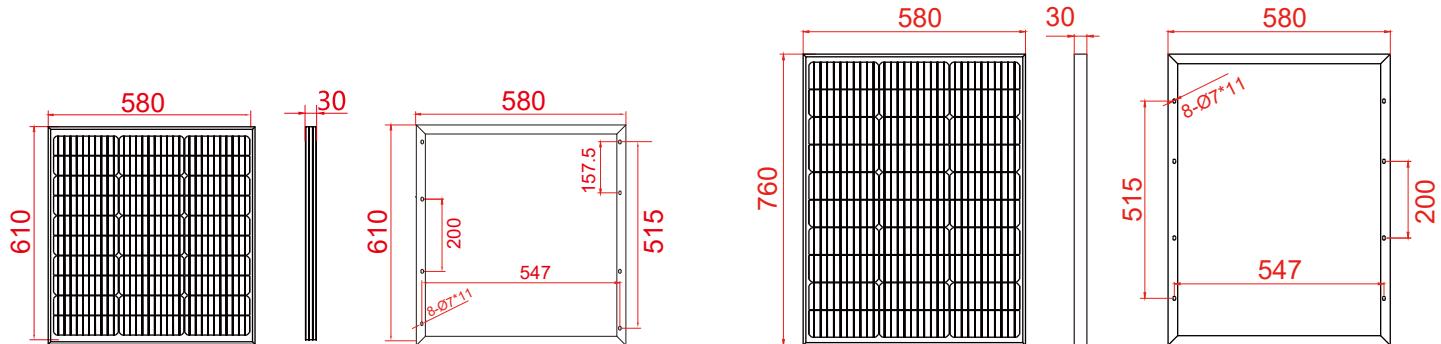
YP-150、YP-200-A、YP-200



YH-100、YH-120

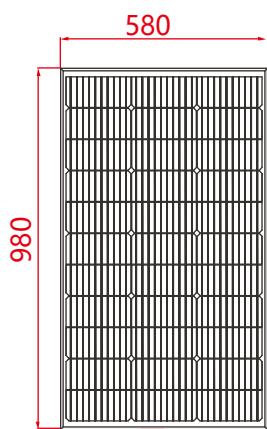


Solar panel

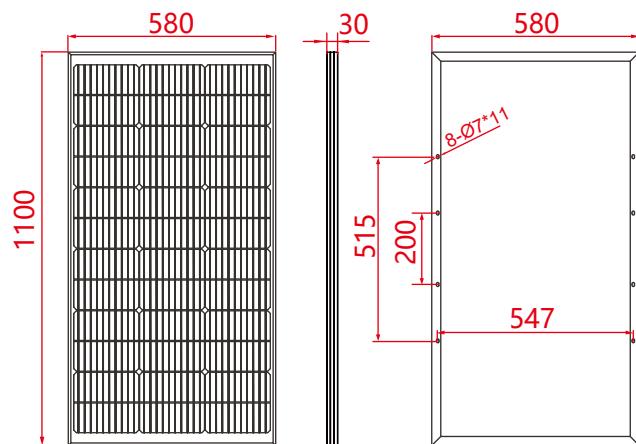
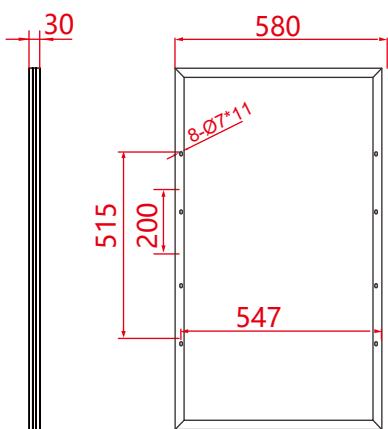


60W/6V

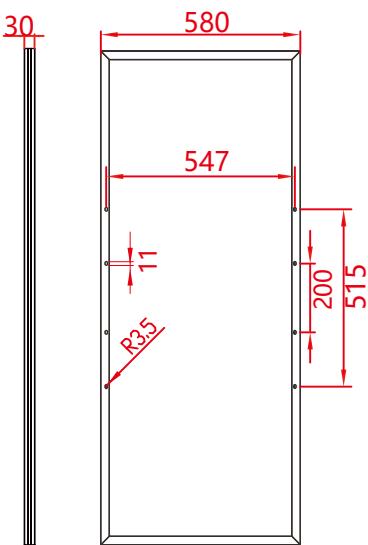
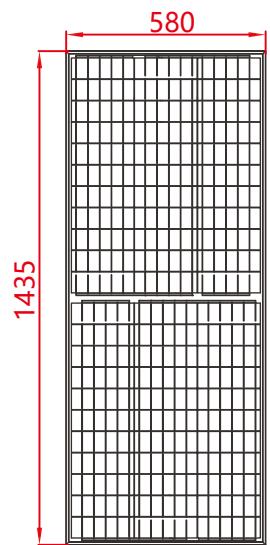
80W/6V



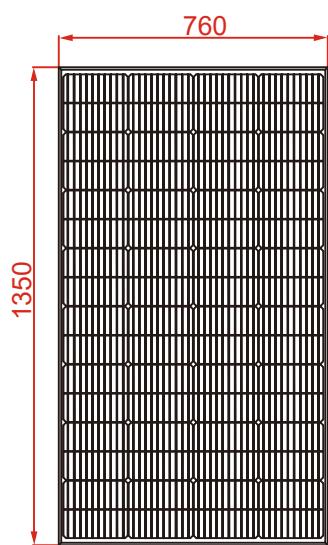
100W/18V



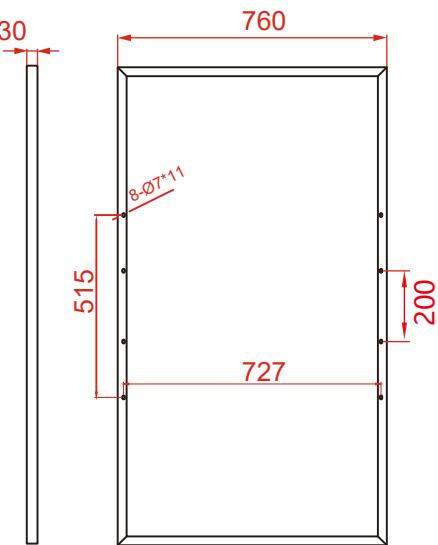
120W/18V



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

