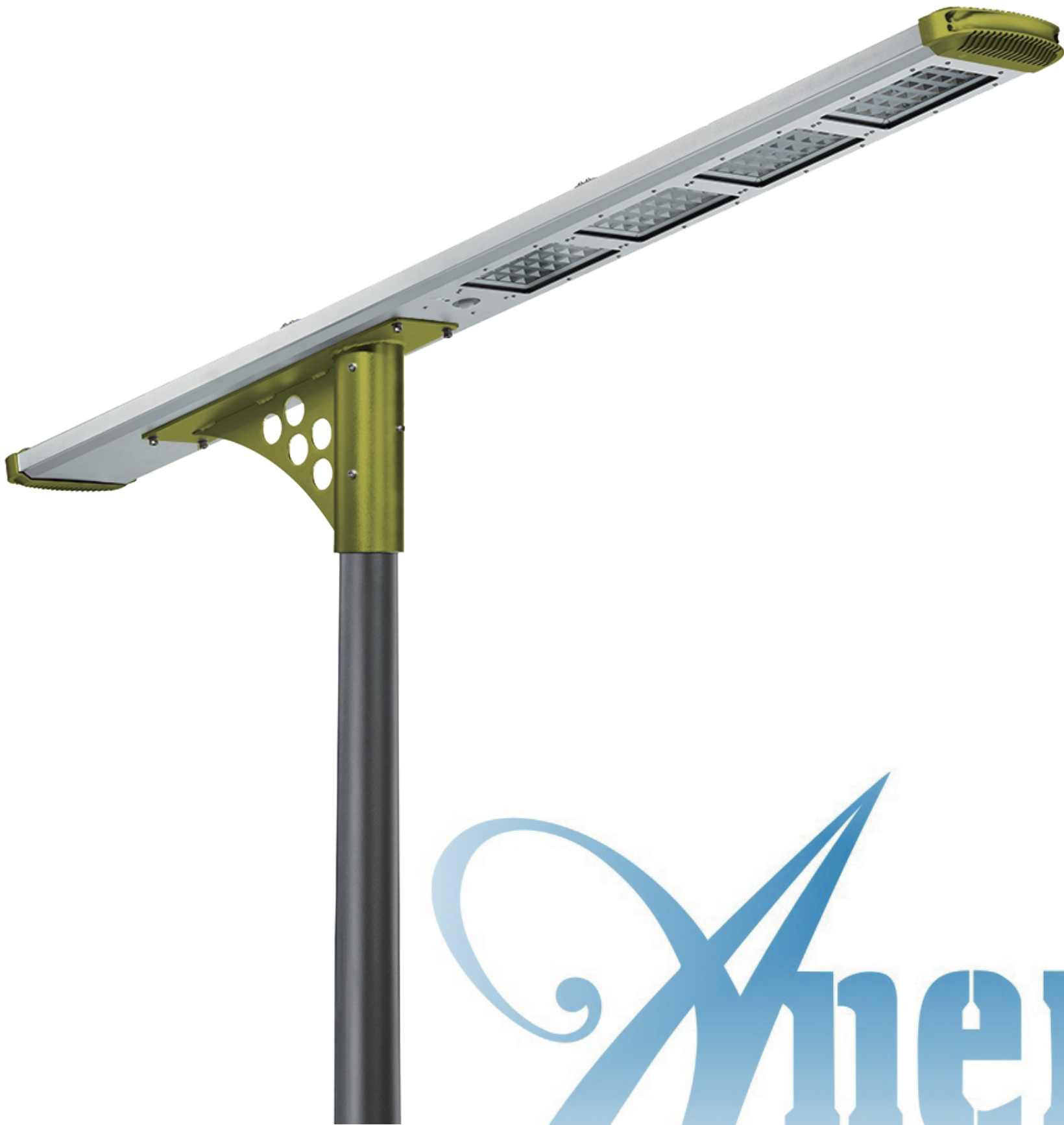


|              |                               |
|--------------|-------------------------------|
| Product Name | All-in-one Solar Street Light |
| Product No   | AN-ISSL-M2                    |
| Manual No    | 02                            |
| Date         | 2021                          |

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## Our Advantage



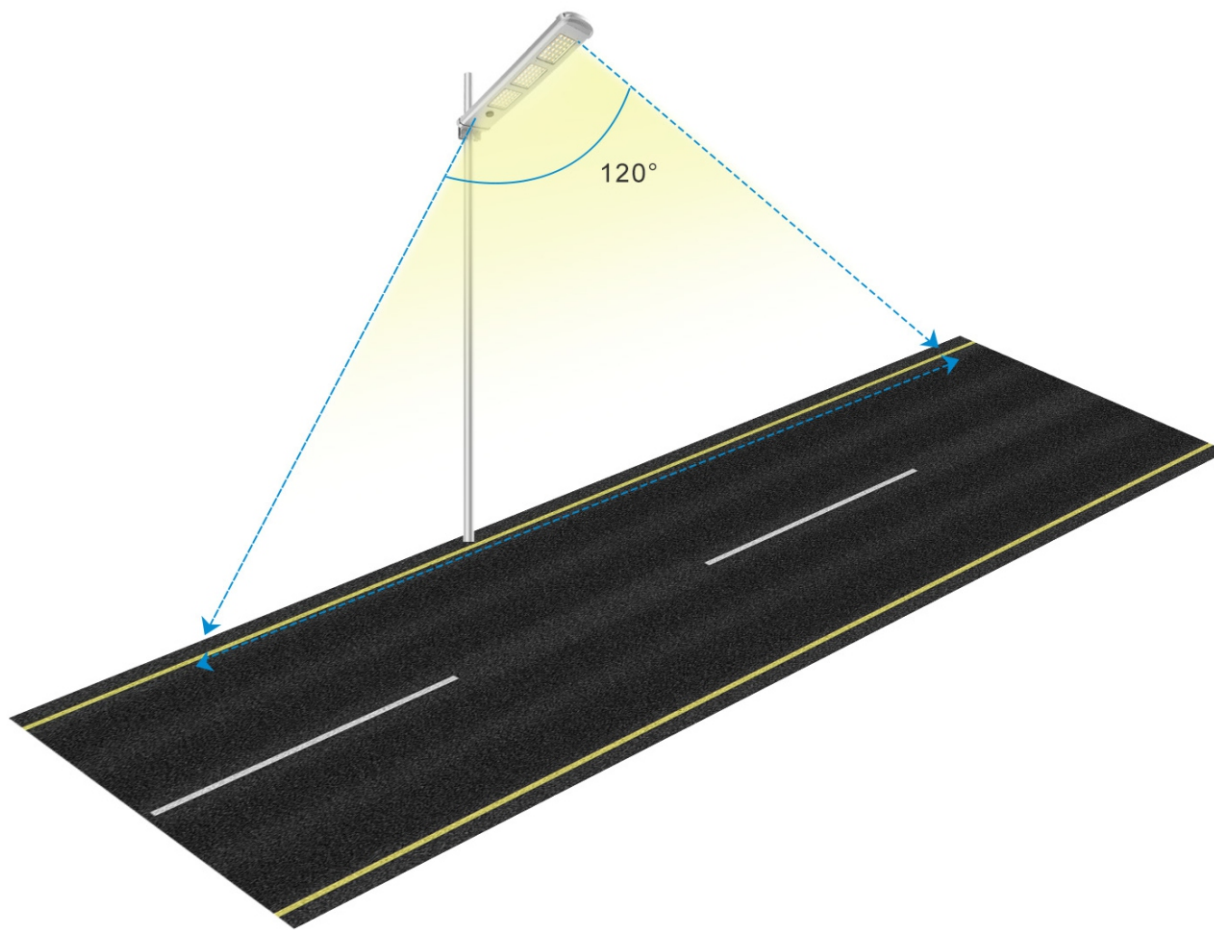
## Main features:

1. 2021 Anern patented product, beautiful appearance in integrally molded design.
2. Using high brightness Bridgelux led chip up to 190-200lm/w.
3. Big capacity and deep cycle lithium battery, more durable service life.
4. Top quality solar cells, smaller size but higher efficiency.
5. Night sensor + PIR motion sensor, support 3 nights after full charging.

## Feature

### Professional lighting design

120 degree beam angle, can provide much wider effective lighting area  
Anti-glare design, more uniform lighting



### Remote Control Model (30-80W)

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

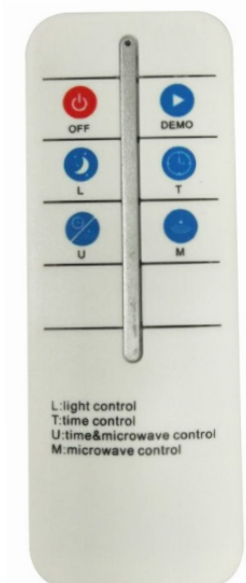
**OFF:** No matter day or night, light “OFF” .

**L:** At night, 12hr full power.

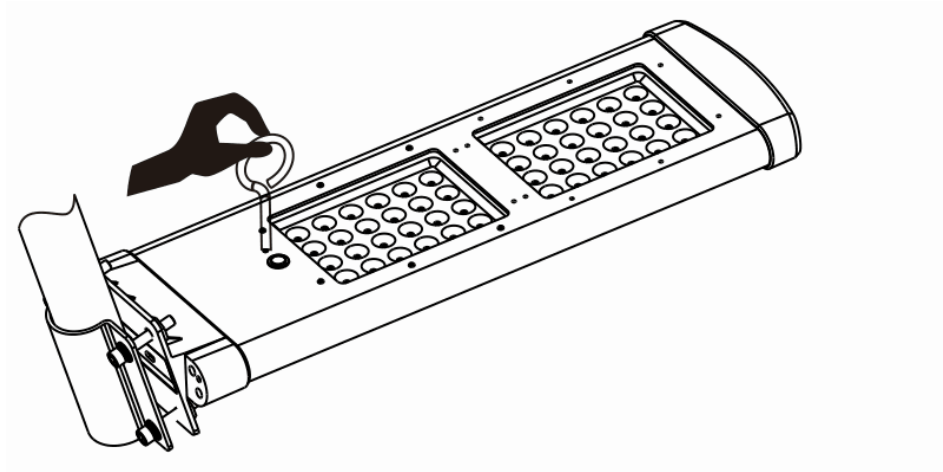
**T:** At night, 4hrs Full Power+8hrs 25%.

**M:** At night, 12hrs Motion Sensor Control.

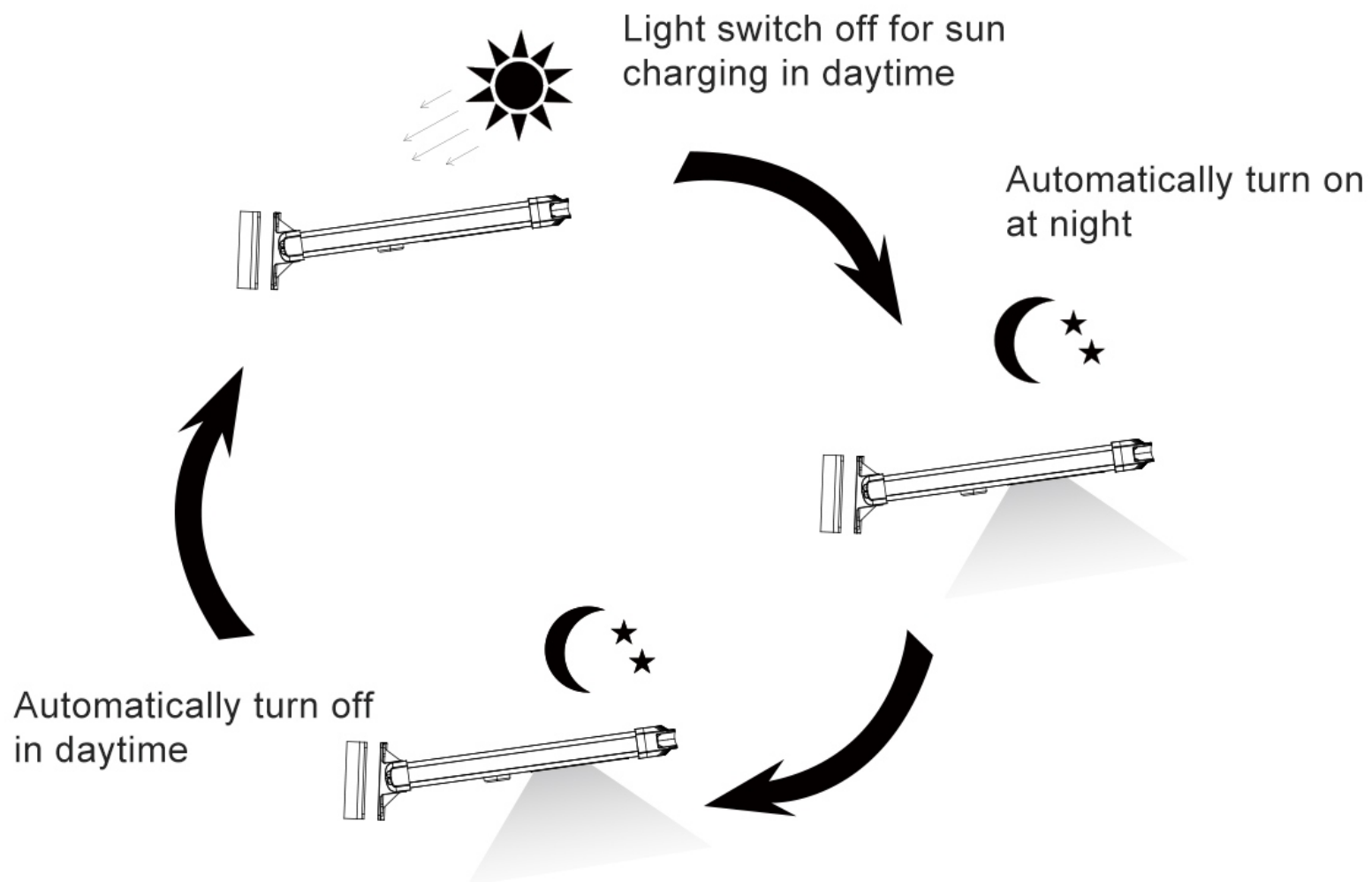
**U:** At night, 4hrs Full Power+8hrs Motion Sensor Control.



## Operation Instructions



The internal battery is locked from factory for safety shipment, so users have to use supplied key pin to click “on/off” socket to unlock the battery and lighting system







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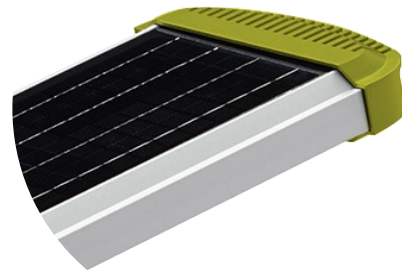
## Component Details

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



Excellent Color Consistency

Brightness Decay can be as low as 3%

210lm/w, Energy Saving over 50%



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## Parameters

|                                   |                                                            |        |        |        |         |
|-----------------------------------|------------------------------------------------------------|--------|--------|--------|---------|
| Model                             | M2-20W                                                     | M2-40W | M2-50W | M2-80W | M2-100W |
| LiFePo4 Battery                   | 72WH                                                       | 120WH  | 230WH  | 340WH  | 460WH   |
| Solar Panel(High efficiency mono) | 12W                                                        | 25W    | 35W    | 60W    | 80W     |
| LED Qty                           | 24pcs                                                      | 48pcs  | 72pcs  | 72pcs  | 96pcs   |
| Luminous Flux                     | 2000lm                                                     | 3000lm | 4000lm | 6000lm | 8000lm  |
| LED Chip                          | Bridgelux                                                  |        |        |        |         |
| Solar Charging Time               | 9-10 hours by bright sunlight                              |        |        |        |         |
| Lighting time                     | Over 3 nights                                              |        |        |        |         |
| Install height                    | 2.5-3m                                                     | 3-4m   | 4-5m   | 4-6m   | 6-8m    |
| Sensor Time                       | 30s(adjustable)                                            |        |        |        |         |
| Waterproof                        | Ip65                                                       |        |        |        |         |
| Material                          | Die-cast aluminum                                          |        |        |        |         |
| Work temperature                  | -25 to 65                                                  |        |        |        |         |
| Lifetime                          | ≥50000hours                                                |        |        |        |         |
| Lighting Mode                     | Customized(Light control+PIR motion sensor+Remote Control) |        |        |        |         |



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## Dimension

|      | length(mm) | width(mm) | thickness(mm) |
|------|------------|-----------|---------------|
| 20W  | 505        | 227       | 164           |
| 40W  | 808        | 227       | 164           |
| 60W  | 1098       | 227       | 164           |
| 80W  | 1553       | 420.5     | 224.5         |
| 100W | 1933       | 420.5     | 224.5         |

## Package(for lamp)

|      | length(mm) | width(mm) | Height(mm) | G.W/CTNS(KG) |
|------|------------|-----------|------------|--------------|
| 20W  | 600        | 310       | 210        | 4.3          |
| 40W  | 920        | 310       | 210        | 7            |
| 60W  | 1160       | 310       | 210        | 10           |
| 80W  | 1650       | 290       | 150        | 13           |
| 100W | 2030       | 290       | 150        | 16           |

## Package(for bracket)

|      | length(mm) | width(mm) | Height(mm) | G.W/CTNS(KG) |
|------|------------|-----------|------------|--------------|
| 80W  | 640        | 120       | 380        | 4            |
| 100W | 640        | 120       | 380        | 4            |