Remote Setting

Microwave Sensor
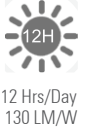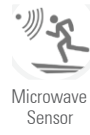
MC4 Plug In Connection

Lithium Battery Built-Inside

12 Hrs/Day 130 LM/W

# SunPlus Series
# Solar Batten Light
## 12 | 18 | 24 | 36 | 48 Watts

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# SUNPLUS Series
# Solar Batten Light

Microwave Sensor

Switch Button

MC4 Plugs Cable
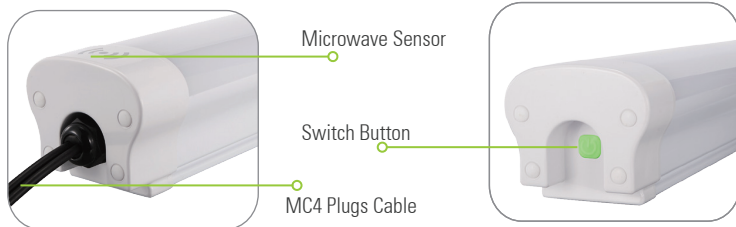
SUNPLUS solar batten light is adapted from our most successful 4G Led Street Light built on the same platform is an answer to a vast solar lighting applications in urban and rural living. Auroras Sunplus Light has builtin Lithium battery and charge controller integrated with high power led source makes the light a unique weather proof lighting fixture with the advantage of solar.

The easy MC4 plug in set up makes the light extremely easy for installation and portability. Built with high quality components, Auroras solar batten carport light can meet project requirements as well in any challenging environments.  SUNPLUS batten light is able from 12 watts to 48 watts.

## Efficient Control System
MPPT controller is adopted to all of SUNPLUS solar batten light, Charging faster by 30% than PWM controller. It ensures battery full-charged each day and every night without black even if sunshine intensity is not stable all the year round.

## Big Battery Capacity Backup
Compact solar light system with lithium batery inside. More than 4 days autonomy in energy saving mode or 12 hrs working in constant lighting with 100% power. Never worry about out of power any more.

## 72 Variable Lighting Modes
With 72 different lighting modes built-in,  Setting a customized lighting mode is pretty by remote. Energy saving and constant lighting modes  are switchable freely. What's more lighting brightness and duration can be set seperately.

## Better Induction Performance
Microwave (radar) sensor is built-in. Comparing with PIR sensor, it can be triggered in a wider angle and longer distance. Ensuring light get ON or brighter immediately without any delay.

## IP67 Weatherproof Fixture
Complete plastic material external housing,with aluminium bar in side for more efficent heat dissipation, perfectly designed for indoor or outdoor applications. Dust or moisture never goes inside.

## Smooth Lighting Distribution
Using 0.2W SMD led chips as 0.1W only, drived by lower current, More than 130lm/watt pratically allows less power achieves higher effciency than low market solar lights.

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## Applications:

Solar batten lights are capable of meeting many applications and challenging solar lighting requirements with extremely simple and easy installation capability. It is a perfect solution for many outdoor applications such as carports, bus shelters, warehouses, temporary shelters, outdoor kiosks, street kiosks, camping tents, Boats or any remote locations where grid is a challenge. Power and length of the lights can be customized to meet different project requirements as well.









## Specification:

| Model No. | AI-X1500 | AI-X2200 | AI-X3000 | AI-X4200 | AI-X5500 |
|---|---|---|---|---|---|
| Fixture IP | IP67 | IP67 | IP67 | IP67 | IP67 |
| Actual Size | 92*84*600mm | 92*84*600mm | 92*84*900mm | 92*84*900mm | 90*85*1200mm |
| LED Type | SMD2835 144pcs | SMD2835 192pcs | SMD2835 264pcs | SMD2835 384pcs | SMD2835 504pcs |
| CCT Range | 3000K~6500K | 3000K~6500K | 3000K~6500K | 3000K~6500K | 3000K~6500K |
| Power max | 12W | 18W | 24W | 36W | 48W |
| Efficiency max | 1500lm | 2200lm | 3000lm | 4200lm | 5500lm |
| Viewing Angle | 120° | 120° | 120° | 120° | 120° |
| Sensor Type | Microwave | Microwave | Microwave | Microwave | Microwave |
| Battery Capacity | 144WH 12V | 200WH 12V | 288WH 12V | 396WH 12V | 528WH 12V |
| Charge Time | 6 Hours | 6 Hours | 6 Hours | 6 Hours | 6 Hours |
| Max Discharge Time | >48Hours | >48Hours | >48 Hours | >48 Hours | >48 Hours |
| Controller Type | MPPT | MPPT | MPPT | MPPT | MPPT |
| Solar Panel | 40W 18V Mono | 50W 18V Mono | 60W 18V Mono | 80W 18V Mono | 100W 18V Mono |
| Panel Size | 670*420*25mm | 700*535*25mm | 670*590*25mm | 760*670*30mm | 1000*670*30mm |
| Working Temp. | -20 °C ~ +55 °C | -20 °C ~ +55 °C | -20 °C ~ +55 °C | -20 °C ~ +55 °C | -20 °C ~ +55 °C |
| Control Method | Remote & Switch | Remote & Switch | Remote & Switch | Remote & Switch | Remote & Switch |
| Lighting Modes | 72 modes available | 72 modes available | 72 modes available | 72 modes available | 72 modes available |
| N.W/Light | 3.30Kg | 3.85Kg | 4.75Kg | 5.80Kg | 7.70Kg |
| G.W/Light | 3.70Kg | 4.15Kg | 5.20Kg | 6.15Kg | 8.20Kg |
| Qty/CTN | 4Pcs | 4Pcs | 4Pcs | 4Pcs | 2Pcs |
| CTN Size | 22*20*65CM | 22*20*65CM | 22*20*95CM | 22*20*95CM | 12*20*125CM |
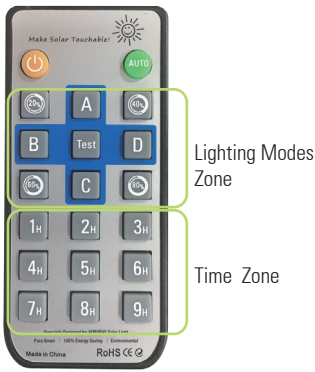
## Magic Remote Controller Manual

Magic remote controller is specially developed for solar batten light, it is a combination of all the possibility of lighting modes required for different lighting application. Not only allowing user to set the power as 20%  40% 60% and 100% freely, but also to change the lighting time from 1 hour to 12 hours easily.

What's more, there are 4 different lighting mode ( A B C D) built-in, User can set a lighting mode directly , and press the button of time zone to set time.

Also, this remote also support light to work in day time even if the light is charged by solar panel. It makes the light to work in indoor lighting perfectly.
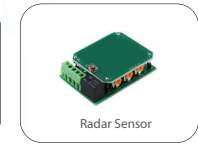
Lighting Modes Zone

Time  Zone

## Key Button Manual

**⏻** Switch ON/OFF manuallly with 100% power, Support ON status even if when charging, like normal switch function.

**AUTO** Light will  ON/OFF  automatically upon Day and Night, light should be turned on and connect to solar panel sucessfully, Make sure to presse "AUTO" mode before you set the mode if need light to work automatically.

**Test** Only for testing, Light will work 20 seconds no matter the panel is connected or not if light is in good condition. There will be a red indicator light working near next to the cap if the battery is over-discharged, then battery should be charged

**20%** Constant lighting mode, Light will work with 20% power for 12 hours, if  press "6Hrs" within 5sec, Light will work with 20% power for 6 hours,

**40%** Constant lighting mode, Light will work with 40% power for 12 hours, if  press "8Hrs" within 5sec, Light will work with 40% power for 8 hours,

**60%** Constant lighting mode, Light will work with 60% power for 12 hours, if  press "6Hrs" within 5sec, Light will work with 60% power for 6 hours,

**80%** Constant lighting mode, Light will work with 80% power for 12 hours, if  press "4Hrs" within 5sec, Light will work with 80% power for 4 hours,

**A** Constant lighting mode, Light will work with 100% power for 12 hours (Max depends on battery capaicty.), if  press "4Hrs" within 5sec, Light will work with 100% power for 4 hours,

**B** Energy saving mode, Light will work with 100% for 6 hours+ 50% for 6 hours, if  press "4Hrs" within 5sec, Light will work with 100% for 2hours+ 50% for 2 hours,

**C** Energy saving mode, Light will work with 100% for 4 hours+ 60% for 4 hours + 30% for 4 hours, if  press "4Hrs" within 5sec, Light will work with 100% for 1.33 hours+ 60% for 1.33 hours + 30% for 1.33 hours,

**D** Energy saving mode, Light will work with 50% for 12 hours and will go up to 100% for 1 mins when sensor is triggered . If press "3Hrs" within 5sec, Light will work 50% for 3 hours and will go up to 100% for 1 mins when sensor is triggered .

**1H** Time Setting : Lighting duration will be only 1 hour, (Eg. A is pressed and then 1H is pressed, light will work with 100% for 1 hour)

**2H** Time Setting : Lighting duration will be only 2 hours, (Eg. 40% is pressed and then 2H is pressed, light will work with 40% for 2hours)

**3H** Time Setting : Lighting duration will be only 3 hours, (Eg. B is pressed and then 3H is pressed, light will work with 100% for 1.5hours and 50% for 1.5 hours)

**4H** Time Setting : Lighting duration will be only 4 hours, (Eg. D is pressed and then 4H is pressed, Light will work with 100% for 1.33 hours+ 60% for 1.33 hours + 30% for 1.33 hours,

**5H** **6H** **7H** **8H** **9H**   5-6-7-8-9 are similar time function as 1-2-3-4....

## Warm Notice

1: The remote should be face to light with distance 5M max.
2: Light will blink continuously for THREE times, it means setting is successfully done.

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| MC4 Connector | MPPT Controller | Lithium Battery | Radar Sensor |

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