SWORDFORCE

2022 PRO
CATALOG

WHO WE ARE

SWORDFOCE Zhongshanshi Jian Neng Lighting Technology Co., Ltd is a professional manufacturer of high solar lights in China. awarded as China High & New Technology Enterprise, Founded in 2013 and located in Shenzhen, GuangDong Province. Swordfoce has been dedicated to develop and produce many kinds of high quality solar street lights, Such as MJ solar led street light , all in two solar led street light head, solar led ceiling light, solar tri-proof light, all in one solar led flood light, etc. Swordfoce have been committed to provide the best quality and well-designed solar products to each customers and provide a very high efficiency communicaiton and technical support. The quality of Swordfoce products has become very popular and has won high reputation among customers since past years. All models of Swordfoce products are completely and independently developed by Swordfoce team, Swordfoce is holding many patents on appearance design or usage design for many products.

We strongly believe our solar products can boost your business very well in the markets where are full of high competition as well as saving the world with green energy, Swordfoce is committed to provide you the best solar lighting & solar power solution and best service and efficient communation of understanding with strong technical support. Swordfoce is very ready to start business as an partners with each customer who is interested in our products a lot and plan to promote Swordfoce's products in their market as the sole agent. OEM business is also welcomed as well as to be our agents.

TX SERIES SOLAR STREET LIGHT

TX series is a high power series ALL IN ONE SOLAR LED STREET LIGHT it becomes more and more popular because of its appearance. Rather than regular all in one solar led street light, it adopts aluminium die casting fixture instead of aluminium alloy fixture.

TS SERIES SOLAR STREET LIGHT

TS series is an intelligent by combining a programable MPPT controller recyclable LifePO4 lithium battery system whose lifetime is more than 2000 cycles, high quality illumination LED source and sensitive 'Smart Eye' motion sensor, to realize efficient cost , easier maintenance , saving energy. And using led module with practical lumens up to 140lm/w.

TF SERIES SOLAR STREET LIGHT

Solar panel is separated from luminaire, equipped with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replace accessories.

TL SERIES SOLAR FLOOD LIGHT

Adjustable wall mount bracket , you can install it either on a wall as factory sign light or use it as security light to light big place. It will automatically switch to highlight mode when it detects an object moving.

HM GD SERIES SOLAR PENDANT LIGHT

The lighting color of solar pendant lights can be easily switched 3 color temperatures (3000K/4000K/6500K), which can meet the needs of different environments and scenarios, no need to worry about choosing color temperature.

FX SERIES SOLAR TRIPROOF LIGHT

IP65-rated waterproofing with sturdy Grade A plastic casing, allows solar led pendant light for optimal performance year-round and in all climates. Ideal for use at any season all year.

2022 Products Catalog

TX SERIES

ALL IN ONE SOLAR STREET LIGHT

TX series is a high power series ALL IN ONE SOLAR LED STREET LIGHT , it becomes more and more popular because of its appearance. Rather than regular all in one solar led street light, it adopts aluminium die casting fixture instead of aluminium alloy fixture. TX series is also an intelligent by combining a programable MPPT controller , recyclable LifePO4 lithium battery system whose lifetime is more than 2000 cycles, high quality illumination LED source and sensitive 'Smart Eye' motion sensor, to realize efficient cost , easier maintenance , saving energy. And using led module with practical lumens up to 170lm/w. With all components as a complete system , its installation is very easy, can be mounted to poles or walls . Very flexible and vast potential application.

Key advantages

Streamlined design. Higher efficacy LUMILEDS® LUXEON LED. PWM/MPPT controller is optional . Multiple optical designs better performance. Easy installation and maintenance.14 series Solar LED street light will provide the best lumen output, the best stability and very long lifetime. Provide over 5 years warranty for whole fixture.

LED Source

Provide excellent lumen output,the best stability and excellent visual perception.
(Cree,Nichia,Osram&etc.is optional)

Solar Panel

Monocrystalline solar panels, Stable photoelectric conversion efficiency.Advanced diffuse technology ,which can ensure the uniformity of conversion efficiency.

LiFePO4 Battery

Excellent performance
High capacity More safety,
Withstand high temperatures 60°C
Long lifespan,more than 2000 cycles

MPPT Controller

PIR   Microwave

Enable controller to track maximum charge efficiency. Micro current charging function Two options for PIR and Microwave Sensor

Plug-in Design

All the wires of the whole lamp are male and female plug-in connectors. The color is designed to be waterproof and has the functions of preventing errors.

IP66 Protection

Watefoof apron

Dimension

TX-01

TX-02

TX-03

Data Sheet

Item	TX-01	TX-02	TX-03
Solar Panel Parameters	Monocrystalline 18V 40W	Monocrystalline 18V 50W	Monocrystalline 36V 60W
Size	735*373*313mm	880*373*313mm	988*373*313mm
Battery Parameters	LiFePO4 12.8V 18AH	LiFePO4 12.8V 24AH	LiFePO4 25.6V 16.5AH
System Voltage	DC 12.8V	DC 12.8V	DC 25.6V
LED Brand	Lumileds		
Light Distribution	II-S,II-M,III-M		
CCT	2200K~6500K		
Charge Time	6 Hours		
Working Time	2-3 Days (Auto Control)		
Protection Grade	IP66,IK09		
Operating Temperature	−20 ℃ to 60 ℃		
Luminous Efficiency	170Lm/W		
Nominal Power	40W	50W	60W
Housing	Aluminum		
Warranty	5 Years		
G.W.	11.7kg	13.1kg	14.5kg
Packaging	830*455*180mm	980*455*180mm	1008*455*180mm

Dimension

TX-04

TX-05

Data Sheet
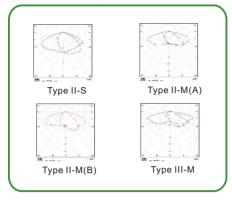
Item	TX-04	TX-05
Solar Panel Parameters	Monocrystalline 36V 80W	Monocrystalline 36V 100W
Size	1352*373*313mm	1482*373*313mm
Battery Parameters	LiFePO4 25.6V 18AH	LiFePO4 25.6V 22AH
System Voltage	DC 25.6V	DC 25.6V
LED Brand	Lumileds	
Light Distribution	II-S,II-M,III-M	
CCT	2200K~6500K	
Charge Time	6 Hours	
Working Time	2-3 Days (Auto Control)	
Protection Grade	IP66,IK09	
Operating Temperature	−20 ℃ to 60 ℃	
Luminous Efficiency	170Lm/W	
Nominal Power	80W	100W
Housing	Aluminum	
Warranty	5 Years	
G.W.	17.1kg	20.4kg
Packaging	1450*455*180mm	1580*455*180mm
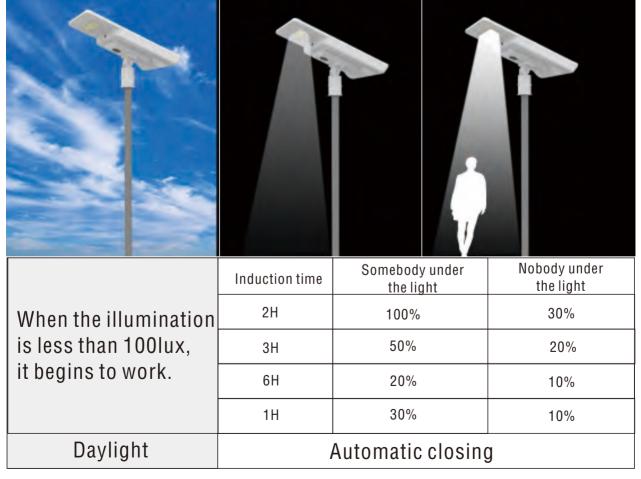
Multiple Lenses

Type II-S

Type II-M(A)

Type II-M(B)

Type III-M

Optical Design

This product is designed with optical lens, which is suitable for a variety of lighting projects, lighting effect is much better with low light consumption. Installed at the same height, the light is more focused compared with other traditional lamps, irradiation area increase by 20% as well as the brightness increase by 10%.

🔍 More...

Product lighting mode

	Induction time	Somebody under the light	Nobody under the light
When the illumination is less than 100lux, it begins to work.	2H	100%	30%
	3H	50%	20%
	6H	20%	10%
	1H	30%	10%
Daylight	Automatic closing		

It can be set according to the requirements of customers.

TS SERIES

ALL IN ONE SOLAR STREET LIGHT

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☀ ADVANTAGES

Convenient installation

Solar panel is separated from luminaire, equipp -ed with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replac -e accessories.

Brightness increase by 10%

This product is designed with optical lens, which is suitable for a variety of lighting projects, lighting effect is much better with low light consumption. Installed at the same height , the light is more focused compared with other traditional lamps, irradiation area increase by 20% as well as the brightness increase by 10%.

Motion sensor mode

Adjustable wall mount bracket , you can install it either on a wall as factory sign light or use it as security light to light big place. It will automatica -lly switch to highlight mode when it detects an object moving.

Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

TS-100

TS-200

TS-300

Data Sheet

Item	TS-100	TS-200	TS-300
Solar Panel Parameters	5V 40W	5V 50W	5V 70W
Battery Parameters	LiFePO4 3.2V 50AH	LiFePO4 3.2V 70AH	LiFePO4 3.2V 90AH
System Voltage	DC5V	DC5V	DC5V
Dimensions	615*365*160mm	720*365*160mm	930*300*70mm
LED Quantity	96pcs	144pcs	192pcs
CCT		6500K	
Charge Time		6 Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 °C to 60 °C	
Housing		Iron	
Warranty		2 Years	
G.W.	5.5Kg/pcs	9Kg/pcs	12Kg/pcs
Packaging	670*420*200mm/1pcs	770*420*200mm/9pcs	980*420*200mm/5pcs
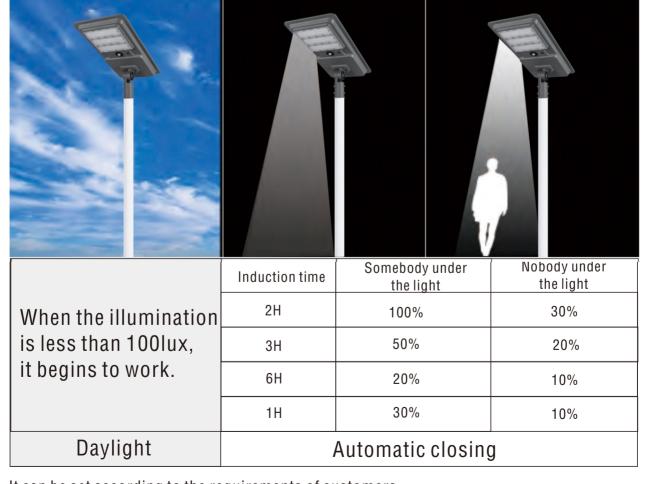
PIR Microwave

MTTP Controller

Enable controller to track maximum charge efficiency . Micro current charging function. Two options for PIR and Microwave Sensor

Product lighting mode

	Induction time	Somebody under the light	Nobody under the light
When the illumination is less than 100lux, it begins to work.	2H	100%	30%
	3H	50%	20%
	6H	20%	10%
	1H	30%	10%
Daylight	Automatic closing		

It can be set according to the requirements of customers.

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Application

Package

TF SERIES

ALL IN TWO SOLAR STREET LIGHT

TF SERIES SOLAR STREET LIGHT is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, has passed CE, ROHS, etc. A number of international certification. " Wiring free, easy to install ", " high charging efficiency ", " strong endurance " and " outstanding light efficiency " Features are the main advantages of this product. Large capacity lithium battery is built into the lamp body , which can absorb solar energy and convert it into electric energy by solar panel. It is stored in the battery and then supplied to the solar lamp. Products are widely used in yard, garden and other areas.

ADVANTAGES

Convenient installation

Solar panel is separated from luminaire, equipp -ed with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replac -e accessories.

Brightness increase by 10%

This product is designed with LED diffuser, of 110*90° beaming angle. With"many eyes"section and double reflecting structure, lighting effect is much better with low light consumption. Installe -d at the same height, the light is more focused compared with other traditional lamps, irradiati -on area increase by 20% as well as the brightn -ess increase by 10%.
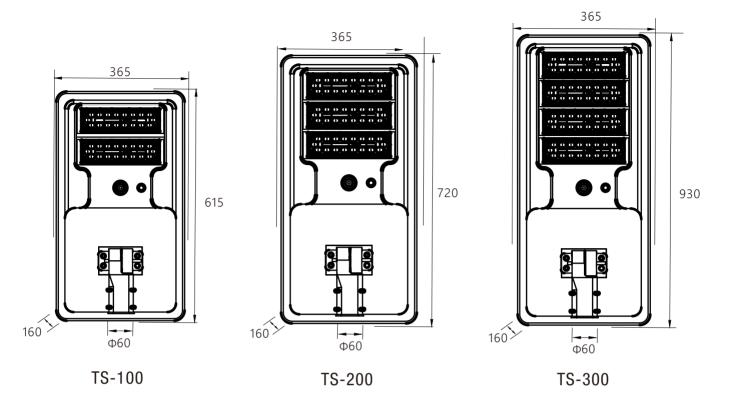
Motion sensor mode

Adjustable wall mount bracket , you can install it either on a wall as factory sign light or use it as security light to light big place. It will automatica -lly switch to highlight mode when it detects an object moving.

Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

190	190	235	235
470	470	570	570
IP66	IP66	IP66	IP66
Solar Light	Solar Light	Solar Light	Solar Light
90 57	90 57	90 57	90 57
TF-100	TF-200	TF-300	TF-400

Data Sheet

Item	TF-100	TF-200	TF-300	TF-400
Solar Panel Parameters	6V 18W	6V 25W	6V 30W	6V 35W
Battery Parameters	LiFePO4 3.2V 15AH	LiFePO4 3.2V 20AH	LiFePO4 3.2V 25AH	LiFePO4 3.2V 30AH
System Voltage	DC6V	DC6V	DC6V	DC6V
Dimensions	190*470*90mm	190*470*90mm	235*575*90mm	235*575*90mm
LED Quantity	373pcs	567pcs	655pcs	1183pcs
CCT	6500K			
Charge Time	6~8Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Gontrol	Yes			
Operating Temperature	−20 ℃ to 60 ℃			
Housing	Aluminum			
Warranty	2 Years			
G.W.	4.2Kg/pcs	5.3Kg/pcs	6.5Kg/pcs	6.5Kg/pcs
Packaging	645*375*140mm/1pcs	645*375*140mm/1pcs	645*375*140mm/1pcs	710*380*140mm/1pcs

4 working modes can be chosen from:

（📶） ： Radar Mode

ON/OFF: On/Off button (press the button turn on the light, press again turn off the light, no matter day or night).

☼ ： 100% Brightness   ◐ ： 50% Brightness

✚ ： Increase Brightness   ➖ ： Decrease Brightness

(6H) ： Set the lighting time for 6 hours

(8H) ： Set the lighting time for 8 hours

4+4 ： Full brightness 4 hours then turn into radar mode 4 hours

4+6 ： Full brightness 4 hours then turn into radar mode 6 hours

4+8 ： Full brightness 4 hours then turn into radar mode 8 hours

IES | Lighting

Wide beaming angle

Optical Design

This product is designed with LED diffuser, of 110*90° beaming angle . With " many eyes " section and double reflecting structure, lighting effect is much better with low light consumption. Installed at the same height , the light is more focused compared with other traditional lamps, irradiation area increase by 20% as well as the brightness increase by 10%.

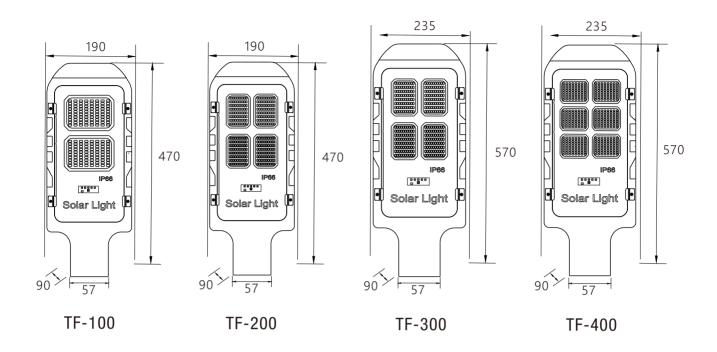🔍 | More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%
Radar mode	100% brightness when it detects an object moving.			30% brightness when no object approaching.	

Application

Package

TL SERIES

ALL IN TWO SOLAR FLOOD LIGHT

TL SERIES SOLAR FLOOD LIGHT is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, has passed CE, UL, etc A number of international certification. " Wiring free, easy to install ", " high charging efficiency ", " strong endurance " and " outstanding light efficiency " Features are the main advantages of this product. Large capacity lithium battery is built into the lamp body , which can absorb solar energy and convert it into electric energy by solar panel. It is stored in the battery and then supplied to the solar lamp. Products are widely used in yard, garden and other areas.

ADVANTAGES

Convenient installation
Solar panel is separated from luminaire, equipp -ed with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replac -e accessories.

Brightness increase by 10%
This product is designed with LED diffuser, of 110*90° beaming angle. With"three yes"section and double reflecting structure, lighting effect is much better with low light consumption. Installe -d at the same height, the light is more focused compared with other traditional lamps, irradiati -on area increase by 20% as well as the brightn -ess increase by 10%.

Motion sensor mode
Adjustable wall mount bracket , you can install it either on a wall as factory sign light or use it as security light to light big place. It will automatica -lly switch to highlight mode when it detects an object moving.

Smart power management system
We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

Dimension

TL-100

TL-200

TL-300

Data Sheet

Item	TL-100	TL-200	TL-300
Solar Panel Parameters	6V 12W	6V 25W	6V 30W
Battery Parameters	LiFePO4 3.2V 10AH	LiFePO4 3.2V 20AH	LiFePO4 3.2V 25AH
System Voltage	DC6V	DC6V	DC6V
Dimensions	220*220*50mm	270*280*50mm	320*335*50mm
LED Quantity	154pcs	352pcs	480pcs
CCT		6500K	
Charge Time		6~8Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 °C to 60 °C	
Housing		Aluminum	
Warranty		2 Years	
G.W.	3.4Kg/pcs	5.3Kg/pcs	6.5Kg/pcs
Packaging	445*345*120mm/1pcs	590*420*140mm/1pcs	660*420*140mm/1pcs

4 working modes can be chosen from:

(((📡))) ： Radar Mode

ON/OFF: On/Off button (press the button turn on the light, press again turn off the light, no matter day or night).

☀： 100% Brightness　◑ ： 50% Brightness

＋ ： Increase Brightness　➖ ： Decrease Brightness

(6H)： Set the lighting time for 6 hours

(8H)： Set the lighting time for 8 hours

4+4 ： Full brightness 4 hours then turn into radar mode 4 hours
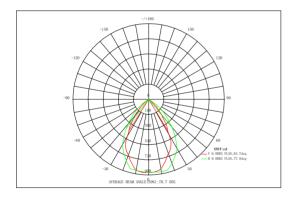
4+6 ： Full brightness 4 hours then turn into radar mode 6 hours

4+8 ： Full brightness 4 hours then turn into radar mode 8 hours

IES | Lighting

Wide beaming angle

Optical Design

This product is designed with LED diffuser, of 110*90° beaming angle . With " many eyes " section and double reflecting structure, lighting effect is much better with low light consumption. Installed at the same height , the light is more focused compared with other traditional lamps, irradiation area increase by 20% as well as the brightness increase by 10%.

🔍 | More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%
Radar mode	100% brightness when it detects an object moving.			30% brightness when no object approaching.	

HM GD SERIES

SOLAR PENDANT LIGHT

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ADVANTAGES

3 Color Temperature Mode

The lighting color of solar pendant lights can be easily switched 3 color temperatures (3000K /4000K/6500K), which can meet the needs of different environments and scenarios, no need to worry about choosing color temperature.

Smart Remote Control

1.Lighting color setting; Lighting brightness & ti -ming adjustable; 2. Timing setting , timing light -ing can be set : 3 hrs, 5 hrs, 8 hrs. 3. Even can be turned on in the shed/barn during daytime.

Easy to Install

We included all accessories for easy installation. Solar lights can be installed to Illuminate outdoor area or indoor area. Easy to install but durable to use.

Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

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HM GD-601

HM GD-602

HM GD-603

HM GD-604

Data Sheet

Item	HM GD-601	HM GD-602	HM GD-603	HM GD-604
Solar Panel Parameters	6V 6W	6V 12W	6V 18W	6V 25W
Battery Parameters	LiFePO4 3.2V 5AH	LiFePO4 3.2V 10AH	LiFePO4 3.2V 15AH	LiFePO4 3.2V 20AH
System Voltage	DC6V	DC6V	DC6V	DC6V
Dimensions	Φ200*130mm	Φ265*150mm	Φ285*100mm	Φ385*150mm
LED Quantity	55pcs	55pcs	165pcs	165pcs
CCT	3200K/4000K/6500K Color Changing			
Charge Time	6~8Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Gontrol	Yes			
Operating Temperature	−20 ℃ to 60 ℃			
Housing	Aluminum			
Warranty	2 Years			
G.W.	1.2Kg/pcs	2.82Kg/pcs	3.72Kg/pcs	4.2Kg/pcs
Packaging	595*405*415mm/12pcs	385*230*320mm/1pcs	420*230*425mm/1pcs	560*230*420mm/1pcs

Illustration of remote control

4 working modes can be chosen from:

⬭ AUTO ： AUTO Mode   ○ ： Reserve Key No function

ON/OFF:On/Off button (press the button ON turn on the light,
press button OFF turn off the light, no matter day or night).

☼ ： 100% Brightness   ◐ ： 50% Brightness
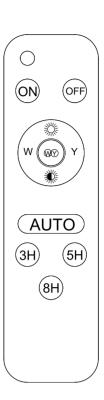
(3H) ： Set the lighting time for 3 hours
(5H) ： Set the lighting time for 5 hours
(8H) ： Set the lighting time for 8 hours

W ： White color   Y ： Warm White color

(∞) ： Natural color

Remark:

∗ After connected the cables between solar panel and the lamp, the light will turn on automatically when it detect sunshine (there is no need using remoter to turn on the solar light).

∗ The solar light will turn on automatically at night. If you set it to turn off the night before, it is normal for it to turn on automatically the next day, which is not a quality problem.

🔍 More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%
Color changing mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%

Application

Package

FX SERIES
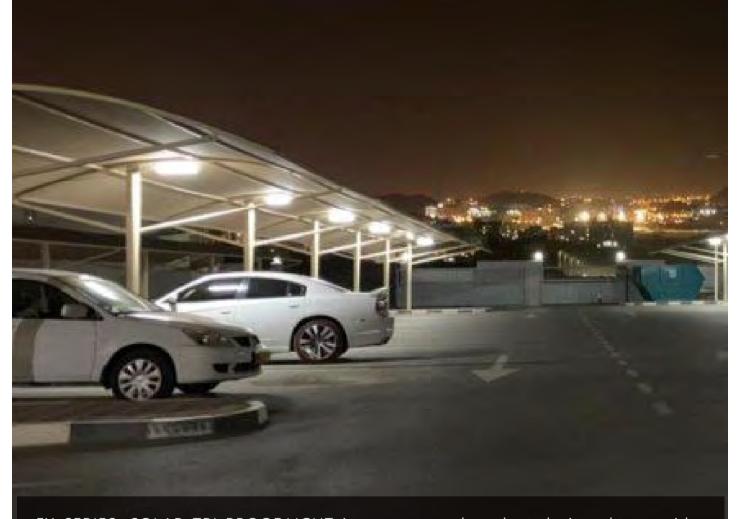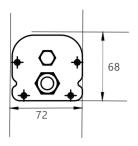
SOLAR TRI-PROOF LIGHT
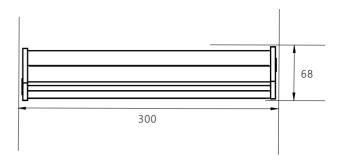
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ADVANTAGES

Sturdy-made & Waterproof

IP65-rated waterproofing with sturdy Grade A plastic casing, allows solar led pendant light for optimal performance year-round and in all climates. Ideal for use at any season all year.

Smart Remote Control

1.Lighting color setting; Lighting brightness & ti -ming adjustable; 2. Timing setting , timing light -ing can be set : 3 hrs, 5 hrs, 8 hrs. 3. Even can be turned on in the shed/barn during daytime.

Easy to Install

We included all accessories for easy installation. Solar lights can be installed to Illuminate outdoor area or indoor area. Easy to install but durable to use.

Smart power management system

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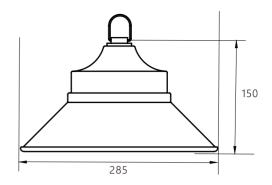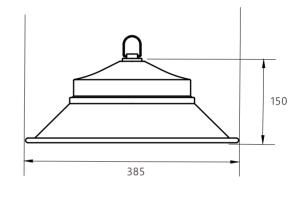
FX-30

FX-60

Data Sheet

Item	FX-30	FX-60
Solar Panel Parameters	6V 8W	6V 15W
Battery Parameters	LiFePO4 3.2V 6AH	LiFePO4 3.2V 12AH
System Voltage	DC6V	DC6V
Dimensions	300*72*68mm	600*72*68mm
LED Quantity	90pcs	180pcs
CCT	6500K	
Charge Time	6~8Hours	
Working Time	2-3 Days (Auto Control)	
Protection Grade	IP65	
Remote Gontrol	Yes	
Operating Temperature	−20 °C to 60 °C	
Housing	Aluminum	
Warranty	2 Years	
G.W.	1.5Kg/pcs	2.5Kg/pcs
Packaging	575*375*255mm/5pcs	635*525*410mm/5pcs

Illustration of remote control

3 working modes can be chosen from:
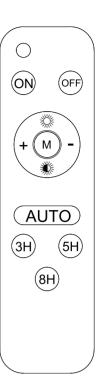
⬭ AUTO : AUTO Mode   ◯ : Reserve Key No function

Ⓜ : AUTO Mode   **+ −** : Reserve Key No function

ON/OFF:On/Off button (press the button ON turn on the light,
press button OFF turn off the light, no matter day or night).

☼ : 100% Brightness   ☀ : 50% Brightness

③H : Set the lighting time for 3 hours
⑤H : Set the lighting time for 5 hours
⑧H : Set the lighting time for 8 hours

Remark:

* After connected the cables between solar panel and the lamp, the light will turn on automatically when it detect sunshine (there is no need using remoter to turn on the solar light).

* The solar light will turn on automatically at night. If you set it to turn off the night before, it is normal for it to turn on automatically the next day, which is not a quality problem.

🔍 More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%

SOLAR LED TRI-PROOF LAMP

CE RoHS

ITEM:
☐ 50W
☐ 100W

COLOR:
☐ SILVERY
☐ BLACK

SOLAR TRI-PROOF LIGHT

CE RoHS

MJ XJ SERIES

ALL IN TWO SOLAR STREET LIGHT
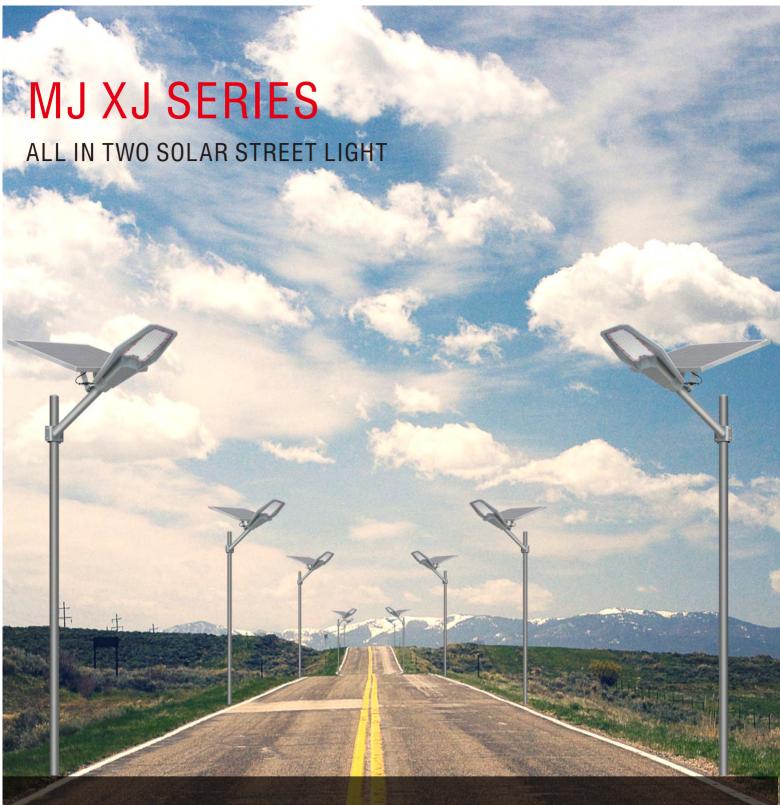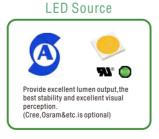
MJ XJ SERIES SOLAR STREET LIGHT is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, has passed CE, UL, etc A number of international certification. "Wiring free, easy to install", "high charging efficiency ","strong endurance" and "outstanding light efficiency"Features are the main advantages of this product. Large capacity lithium battery is built into the lamp body , which can absorb solar energy and convert it into electric energy by solar panel It is stored in the battery and then supplied to the solar lamp. Products are widely used in courtyard, highway and other areas.
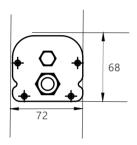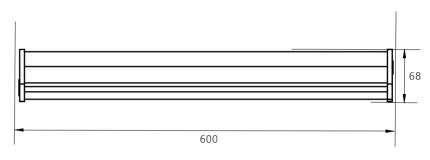
MJ XJ SERIES
All In Two Solar Street Light

Product Design
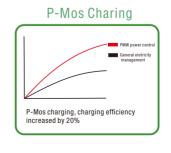
The product appearance is designed by our company's product visual design team, which is our patented product. Product design concept inherits the future sense of science and technology and industrial visual style design. Dare to breakthrough the traditional design style of outdoor lighting . For outdoor lighting products to create a new visual appearance , committed to creating the market's next outlet of popular products!

LED Source

Provide excellent lumen output,the best stability and excellent visual perception.
(Cree,Osram&etc.is optional)

LiFePO4 Battery

Excellent performance
High capacity More safety,
Withstand high temperatures 60°C
Long lifespan,more than 2000 cycles

Optical Lens

High lumen, brightness increased by 30%

P-Mos Charing

PMW power control
General eletricity management

P-Mos charging, charging efficiency increased by 20%

MJ-XJ 801

MJ-XJ 802

MJ-XJ 803

MJ-XJ 804

Data Sheet

Item	MJ XJ 801	MJ XJ 802	MJ XJ 803	MJ XJ 804
Solar Panel Parameters	5V 25W	5V 35W	5V 40W	5V 50W
Battery Parameters	LiFePO4 3.2V 18AH	LiFePO4 3.2V 30AH	LiFePO4 3.2V 36AH	LiFePO4 3.2V 48AH
System Voltage	DC6V	DC6V	DC6V	DC6V
Dimensions	520*260*80mm	520*260*80mm	600*300*80mm	600*300*80mm
LED Quantity	192pcs	192pcs	300pcs	300pcs
CCT	2200K~6500K			
Charge Time	6 Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Gontrol	Yes			
Operating Temperature	−20 °C to 60 °C			
Housing	Aluminum			
Warranty	2 Years			
G.W.	5.7Kg/pcs	6.3Kg/pcs	7.2Kg/pcs	8.3Kg/pcs
Packaging	590*550*420mm/4pcs	640*550*420mm/4pcs	715*410*440mm/3pcs	730*300*520mm/2pcs
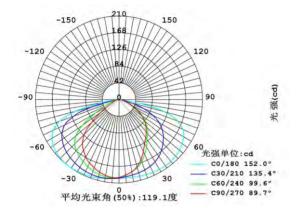
Illustration of remote control

Automatic light control mode connect the lamp cap with the solar panel press the[AUTO] auto key and the light will turn on automatically in the dark and turnoff the light when it is bright. (key with memory mode only need to set once) Other remote control modes : the specific functions are shown in the figure below

Reserved key

open — ON   OFF — shut

Reserved key — Brightness increase

Reserved key — + M − — Reserved key

— Reduced brightness

AUTO — Light control mode
(It is recommended to use.It will turn on and off automatically when it is dark)

Turn off the lights within 3 hours — 3H   5H — Turn off the lights within 5 hours

Turn off the lights within 8 hours — 8H

IES Lighting

Polar Coordinate Curve

-150 210 150
168
126
-120 84 120
42
-90 0 90

60
-60 光强单位:cd
          C0/180 152.0°
-30 30 C30/210 135.4°
          C60/240 99.6°
0 C90/270 89.7°
平均光束角(50%):119.1度

光强(cd)

Optical Design

This product adopts LED optical lens design, the lens can effectively gather the light of the light source to improve the brightness and reduce the lightloss The light efficiency of the traditional reflective cup is in creased by more than 20%. At the same time, the lens of this product is made of PC (Japanese emperor) material, and the transmittance after processing is as high as 92%,It is much higher than 80% of the glass transmittance; the whole lighting efficiency is in creased by 30%, and the irradiation area is increased by more than 25%.

More...

Product lighting mode

Power reduction in different modes	Startup time				
	0∼0.5H	0.5∼2H	2∼4H	5H	5H to morning
Normal mode	100∼80%	80%∼60%	60%∼50%	50%∼40%	40%∼30%

MJ LH SERIES

ALL IN ONE SOLAR STREET LIGHT
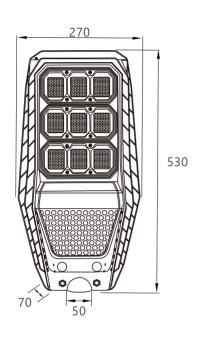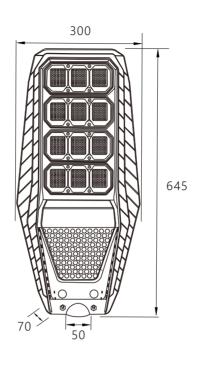
MJ LH SERIES ALL IN ONE is our patented product. All-in-one solar light means the solar panel is embedded in the lamp body. This design eliminates complex installation accessories such as brackets. It will increase installation efficiency in several times. This product adopts the latest quick charging scheme, and charging efficiency can be up to 50% higher than similar products. For example, similar products use 6V/12W solar panel and the peak charging current is 2A; our product uses 4V/12W solar panel and the peak charging current is 3A. By comparison, the charging efficiency of our products has been improved by 50%. It has three brightness, including radar mode for all night, constant lighting mode for all night, and switch to radar mode after constant light mode.

ADVANTAGES

Convenient installation

All-in-one solar light means the solar panel is embedded in the lamp body. This design elimina tes complex installation accessories such as bra -ckets. It will increase installation efficiency in several times.

Efficient quick charging scheme

This product adopts the latest quick charging scheme, and charging efficiency can be up to 50% higher than similar products. For example , similar products use 6V/12W solar panel and the peak charging current is 2A; our product uses 4V/12W solar panel and the peak charging current is 3A. By comparison, the charging efficiency of our products has been improved by 50%.

Multiple functional models

Our product has three brightness, including rad -ar mode for all night, constant lighting mode for all night, and switch to radar mode after constant light mode.

Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

Dimension

MJ-LH 8100

MJ-LH 8200

MJ-LH 8300

Data Sheet
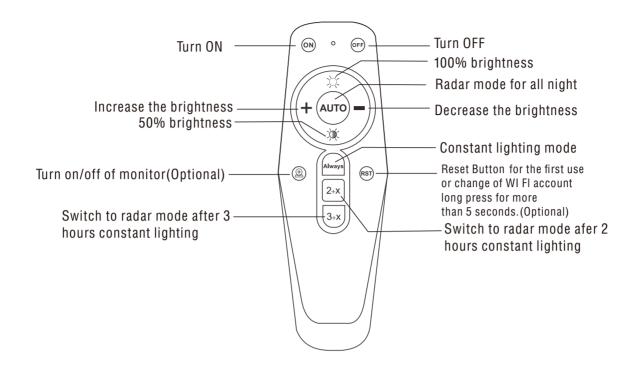
Item	MJ LH 8100	MJ LH 8200	MJ LH 8300
Solar Panel Parameters	4V 10W	4V 15W	4V 18W
Battery Parameters	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 24AH
System Voltage	DC4V	DC4V	DC4V
Dimensions	530*270*70mm	645*300*70mm	750*300*70mm
LED Quantity	360pcs	480pcs	600pcs
CCT		2200K~6500K	
Charge Time		6 Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 ℃ to 60 ℃	
Housing		ABS	
Warranty		2 Years	
G.W.	2Kg/pcs	2.55Kg/pcs	3.1Kg/pcs
Packaging	560*380*300mm/5pcs	670*380*330mm/5pcs	780*380*330mm/5pcs

Turn ON

Turn OFF

100% brightness

Radar mode for all night

Increase the brightness

50% brightness

Decrease the brightness

Constant lighting mode

Turn on/off of monitor(Optional)

Reset Button for the first use or change of WI FI account long press for more than 5 seconds.(Optional)

Switch to radar mode after 3 hours constant lighting

Switch to radar mode afer 2 hours constant lighting

Illustration of remote control

The remote control has memory function, you can set only once.

1. AUTO mode. AUTO mode means radar mode for all night. This mode is the brightest and the discharging time is more than 5 days.

2. Switch to radar mode after constant light mode. The buttons "2+X", "3+X" means switching to radar mode after 2 or 3 hours constant lighting. The brightness of this mode is 70% of radar mode for all night.

3. Always mode. Always mode means constant lighting for all light. The brightness of this mode is 70% of radar mode for all night.

More...

Lighting model

Power reduction in different modes	Model-On Time				
	1H	2-3H	4-5H	6H	6H to morning
Auto model	100%-80%	80%-60%	60%-50%	50%-40%	30%
2+X/3+X	100%-80%	80%-60%	60%-50%	50%-40%	30%
Always model	100%-80%	80%-60%	60%-50%	50%-40%	30%

MJ DW SERIES

SOLAR CAMERA LIGHT

MJ DW SERIES SOLAR CAMERA LIGHT is our patented product, designed for providing our users integrated lighting and security services. We have passed multiple international certifications such as CE and UL. The main advantages of our product include: "High-definition monitor", "5G IOT", "ultra-low power consumption", "strong battery life", "signal stability /no disconnection", "outstanding luminous efficiency ". The lamp body has an inner high-capacity lithium battery, which relies on the solar panel to absorb sunlight energy then convert it into electrical energy in the battery , which then being provided to the solar lamp and monitoring work. Wi-Fi connection is required for monitoring operation, then the operation can be viewed remotely in real time, switch lights on&off or playback through APP. Products are widely used in home backyard, farms, orchards, etc.

Light up everywhere Power up everywhere

HD Camera

1080P HD chip and lens ensuring the clarity of video and pictures. Meanwhile the day and night full-color function is adopted to ensure the same excellent monitoring efficiency at night .

Portable Design

The product is equipped with high-end leather handles which can be used as portable lights, emergency lights , etc. It is suitable for outdoor camping , night fishing and other application scenarios.

Optical Lens

The lens of this product is made of PC (Japanese emperor) material, and the transmittance after processing is as high as 92%

High Lumens

Brand LED lamp bead, high brightness, long life span,

MJ-DW 901

MJ-DW 902

MJ-DW 903

MJ-DW 904

Data Sheet

Item	MJ DW 901	MJ DW 902	MJ DW 903	MJ DW 904
Solar Panel Parameters	5V 20W	5V 28W	5V 35W	5V 40W
Battery Parameters	LiFePO4 3.2V 12AH	LiFePO4 3.2V 24AH	LiFePO4 3.2V 30AH	LiFePO4 3.2V 42AH
System Voltage	DC5V	DC5V	DC5V	DC5V
Dimensions	217*179*45mm	258*213*45mm	312*270*50mm	365*295*50mm
LED Quantity	82pcs	144pcs	236pcs	324pcs
CCT	2200K~6500K			
Charge Time	6 Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Gontrol	Yes			
Operating Temperature	−20 °C to 60 °C			
Housing	Aluminum			
Warranty	2 Years			
G.W.	2.4Kg/pcs	3.4Kg/pcs	4.2Kg/pcs	5Kg/pcs
Packaging	660*375*380mm/8pcs	525*510*380mm/6pcs	605*430*380mm/5pcs	660*345*380mm/4pcs

USER MANUAL

Turn off
Press over 3 seconds to forced lighting mode. (If you need to turn on the light during the day)

After 4 hours of light-operated mode, it will switch to radar mode (Suggested to use)

Increase the brightness

The light will automatically turn on in the dark and turn off to charge in the day(suggest to use in the region with abundant supply)

Radar mode for all light

After 3hours of light-operated mode, it will switch to radar mode

Decrease the brightness

Timed 3 hours — 3H

5H — Timed 5 hours

Timed 8 hours — 8H

Turn on/off monitor

RST — Reset Button: for the first use or change of WIFI account,long press for more than 5 seconds.

Application

2020-05-17 21:12:20

Package

MJ D SERIES

SOLAR FLOOD LIGHT

MJ D SERIES SOLAR FLOOD LIGHT is our patented product, designed for providing our users integrated lighting and security services. We have passed multiple international certifications such as CE and UL.

The lamp body has an inner high-capacity lithium battery, which relies on the solar panel to absorb sunlight energy then convert it into electrical energy in the battery , which then being provided to the solar lamp . Products are widely used in home backyard, farms, orchards, etc.

ADVANTAGES

Motion sensor mode

Adjustable wall mount bracket , you can install it either on a wall as factory sign light or use it as security light to light big place. It will automatica -lly switch to highlight mode when it detects an object moving.

Convenient installation

Solar panel is separated from luminaire, equipp -ed with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replac -e accessories.

P-MOS charging

Solar controller controlled by P-MOS charging through PWM , unique charge and discharge management system, with more efficient charge discharge efficiency. For example: most common 6V/30W solar panel in the market, the peak char -ging current is 5A ; our product uses 5V/30W solar panel, the charging peak current is 6A, tha -t's why the charging efficiency increase by 20%.

Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

46

MJ D- 901

MJ D- 902

MJ D- 903

MJ D- 904

Data Sheet

Item	MJ D-901	MJ D-902	MJ D-903	MJ D-904
Solar Panel Parameters	5V 15W	5V 25W	5V 28W	5V 35W
Battery Parameters	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH	LiFePO4 3.2V 24AH	LiFePO4 3.2V 30AH
System Voltage	DC5V	DC5V	DC5V	DC5V
Dimensions	217*179*45mm	258*213*45mm	312*270*50mm	365*295*50mm
LED Quantity	82pcs	144pcs	236pcs	324pcs
CCT	2200K~6500K			
Charge Time	6 Hours			
Working Time	2-3 Days (Auto Control)			
Protection Grade	IP65			
Remote Gontrol	Yes			
Operating Temperature	−20 ℃ to 60 ℃			
Housing	Aluminum			
Warranty	2 Years			
G.W.	2.15Kg/pcs	2.95Kg/pcs	3.64Kg/pcs	4.34Kg/pcs
Packaging	660*375*320mm/8pcs	590*455*380mm/7pcs	560*525*390mm/6pcs	605*460*390mm/5pcs

Illustration of remote control

Automatic light control mode connect the lamp cap with the solar panel press the [AUTO] auto key and the light will turn on automatically in the dark and turn off the light when it is bright. (key with memory mode only need to set once) Other remote control modes : the specific functions are shown in the figure below.

- Turn off
- Press over 3 seconds to forced lighting mode. (If you need to turn on the light during the day)

Radar mode for all night

After 3 hours of light-operated mode, it will switch to radar mode. (Optional)

Light-operated mode (Suggested to use)

Increase the brightness

After 4 hours of light-operated mode, it will switch to radar mode. (Optional)

Decrease the brightness

Timed 3 hours

Timed 5 hours

Timed 8 hours

Turn on/off of monitor (reserved key)

Reset of monitor (reserved key)

More...

Product lighting mode

Power reduction in different modes	Model-On time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%
Full radar mode	When object approaches, the lamp will turn on with 100% brightness,30% brightness when there is no object.				
3+X	In the first 3 hours, the power is reduced according to the proportion of the normal mode , and after 3 hours the power is transferred to radar induction.				
4+X	In the first 4 hours, the power is reduced according to the proportion of the normal bright mode, and then the radar is sensed after 4 hours.				

(Note: when the battery voltage is lower than 3.0V, the system will switch to radar mode)
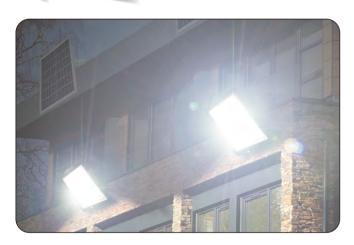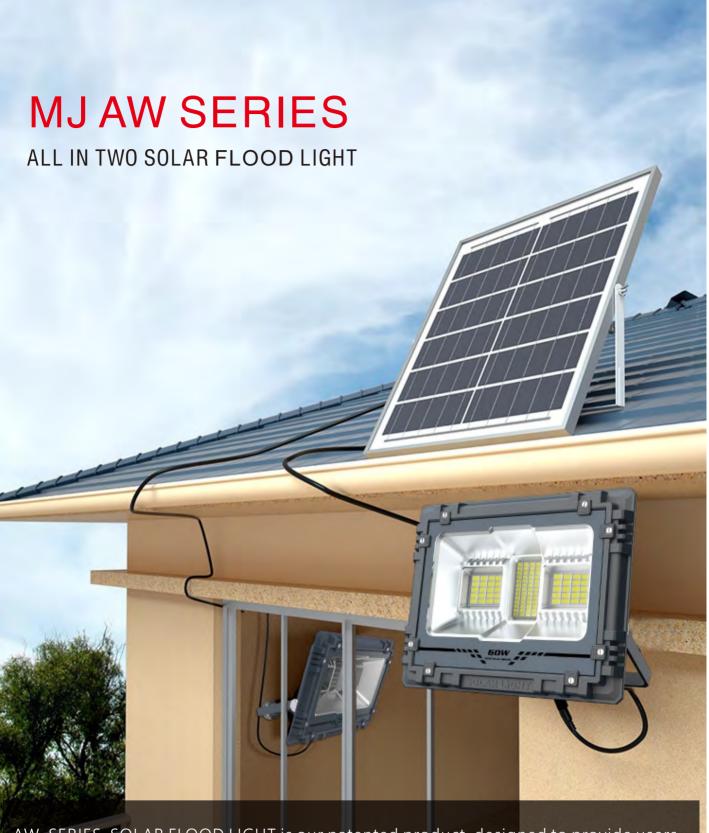
MJ AW SERIES

ALL IN TWO SOLAR FLOOD LIGHT

AW SERIES SOLAR FLOOD LIGHT is our patented product, designed to provide users with high-quality solar photovoltaic street lamp, has passed CE, UL, etc A number of international certification. " Wiring free, easy to install ", " high charging efficiency ", " strong endurance " and " outstanding light efficiency " Features are the main advantages of this product. Large capacity lithium battery is built into the lamp body , which can absorb solar energy and convert it into electric energy by solar panel. It is stored in the battery and then supplied to the solar lamp. Products are widely used in yard, garden and other areas.

ADVANTAGES

Convenient installation

Solar panel is separated from luminaire, equipp -ed with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replac -e accessories.

Brightness increase by 10%

This product is designed with LED diffuser, of 110*90° beaming angle. With "three yes" section and double reflecting structure, lighting effect is much better with low light consumption. Installe -d at the same height, the light is more focused compared with other traditional lamps, irradiati -on area increase by 20% as well as the brightn -ess increase by 10%.

P-MOS charging

Solar controller controlled by P-MOS charging through PWM, unique charge and discharge management system, with more efficient charge discharge efficiency. For example: most common 6V/30W solar panel in the market, the peak char -ging current is 5A; our product uses 5V/30W solar panel, the charging peak current is 6A, tha -t's why the charging efficiency increase by 20%.

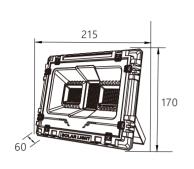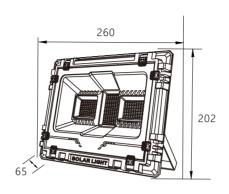## Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also can actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.
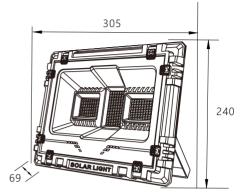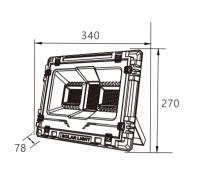
MJ AW-60

MJ AW-100

MJ AW-200

Data Sheet

Item	MJ AW-60	MJ AW-100	MJ AW-200
Solar Panel Parameters	5V 12W	5V 15W	5V 25W
Battery Parameters	LiFePO4 3.2V 6AH	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH
System Voltage	DC5V	DC5V	DC5V
Dimensions	215.2*170.2*60mm	260.2*202.2*65mm	305.1*240.1*69mm
LED Quantity	80pcs	136pcs	222pcs
CCT		6500K	
Charge Time		6~8Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 °C to 60 °C	
Housing		Aluminum	
Warranty		2 Years	
G.W.	2.05Kg/pcs	2.82Kg/pcs	3.82Kg/pcs
Packaging	420*375*270mm/7pcs	365*315*380mm/6pcs	475*430*385mm/6pcs

MJ AW-300

MJ AW-500

MJ AW-800

Data Sheet
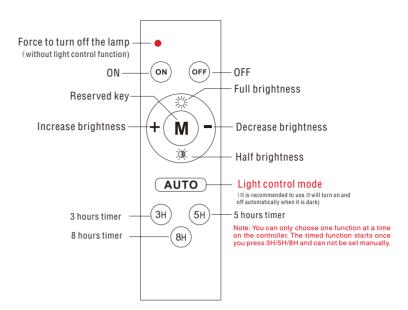
Item	MJ AW-300	MJ AW-500	MJ AW-800
Solar Panel Parameters	5V 35W	5V 40W	5V 50W
Battery Parameters	LiFePO4 3.2V 24AH	LiFePO4 3.2V 30AH	LiFePO4 3.2V 48AH
System Voltage	DC5V	DC5V	DC5V
Dimensions	340.2*270.2*78mm	385.2*303.2*82mm	385.2*303.2*82mm
LED Quantity	318pcs	381pcs	381pcs
CCT		6500K	
Charge Time		6~8Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 °C to 60 °C	
Housing		Aluminum	
Warranty		2 Years	
G.W.	5. 12Kg/pcs	5. 84Kg/pcs	7. 35Kg/pcs
Packaging	600*300*380mm/6pcs	650*310*410mm/4pcs	690*170*470mm/2pcs

Illustration of remote control

Automatic light control mode connect the lamp cap with the solar panel press the [AUTO] auto key and the light will turn on automatically in the dark and turn off the light when it is brig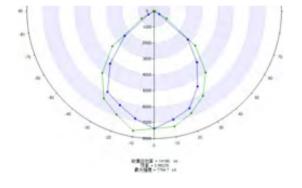ht. (key with memory mode only need to set once) Other remote control modes : the specific functions are shown in the figure below.

Force to turn off the lamp
（without light control function）

ON — ON

OFF — OFF

Reserved key — Full brightness

Increase brightness — + M − — Decrease brightness

Half brightness

AUTO — Light control mode
（It is recommended to use.It will turn on and off automatically when it is dark）

3 hours timer — 3H 5H — 5 hours timer

8 hours timer — 8H

Note: You can only choose one function at a time on the controller. The timed function starts once you press 3H/5H/8H and can not be set manually.

IES | Lighting

Wide beaming angle

Optical Design

This product is designed with LED diffuser, of 110*90° beaming angle . With "three yes" section and double reflecting structure, lighting effect is much better with low light consumption. Installed at the same height , the light is more focused compared with other traditional lamps, irradiation area increase by 20% as well as the brightness increase by 10%.

⊕ | More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%

Application

Package

MJ AW C SERIES

SOLAR FLOOD LIGHT RGB Musical Rhythm

AWC SERIES RGB Musical Rhythm SOLAR FLOOD LIGHT is our patented product, it can be controlled by a smart phone via App by connecting bluetooth . Equipped with full color SMD 5050, luminaire will change the color and mode automatically according to the musical rhythm, which can be widely used in the garden, park, plaza. Not only for lighting, but also bring you an impressed experience on the culture of light.

☀ ADVANTAGES

RGB musical rhythm function

This product can be controlled by a smart phone via App by connecting bluetooth. Equipped with full color SMD 5050, luminaire will change the color and mode automatically according to the musical rhythm, which can be widely used in the garden,park,plaza. Not only for lighting, but also bring you an impressed experience on the culture of light.

Intelligent extended function

This product also compatible with other bluetooth device like bluetooth speaker, luminaire change color and mode automatically according to the musical rhythm , could be widely used for Christmas decoration, outdoor camping, party.

Convenient installation

Solar panel is separated from luminaire, equipp -ed with 4-5m cable, extension cord is available, to adapt different using environment. Easy to open the glass cover, very convenient to replac -e accessories.

Smart power management system

We are committed to meet the needs of custome rs "365 days, daily brightness", our company has developed an smart power management system in cooperation with the University of Electronic Science and Technology to make sure our product not only has higher charging efficiency, but also ca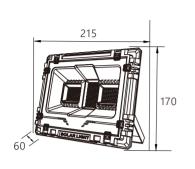n actively identify the amount of charging per day, so as to independently adjust the capacity to achieve a better rainy day efficiency.

Dimension

MJ AWC-60

MJ AWC-100

MJ AWC-200

Data Sheet

Item	MJ AWC-60	MJ AWC-100	MJ AWC-200
Solar Panel Parameters	5V 12W	5V 15W	5V 25W
Battery Parameters	LiFePO4 3.2V 6AH	LiFePO4 3.2V 12AH	LiFePO4 3.2V 18AH
System Voltage	DC5V	DC5V	DC5V
Dimensions	215.2*170.2*60mm	260.2*202.2*65mm	305.1*240.1*69mm
LED Quantity	80pcs	136pcs	222pcs
CCT		6500K	
Charge Time		6~8Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 °C to 60 °C	
Housing		Aluminum	
Warranty		2 Years	
G.W.	2.05Kg/pcs	2.82Kg/pcs	3.82Kg/pcs
Packaging	420*375*270mm/7pcs	365*315*380mm/6pcs	475*430*385mm/6pcs

🧊 Dimension

340

270

78

MJ AWC-300

385

303

82

MJ AWC-500

385

303

82

MJ AWC-800

🧑‍🔧 Data Sheet
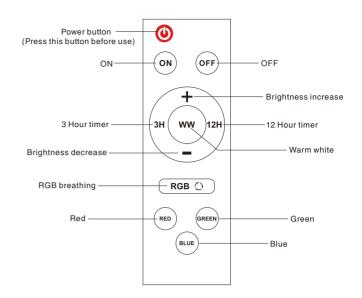
Item	MJ AWC-300	MJ AWC-500	MJ AWC-800
Solar Panel Parameters	5V 35W	5V 40W	5V 50W
Battery Parameters	LiFePO4 3.2V 24AH	LiFePO4 3.2V 30AH	LiFePO4 3.2V 48AH
System Voltage	DC5V	DC5V	DC5V
Dimensions	340.2*270.2*78mm	385.2*303.2*82mm	385.2*303.2*82mm
LED Quantity	318pcs	381pcs	381pcs
CCT		6500K	
Charge Time		6~8Hours	
Working Time		2-3 Days (Auto Control)	
Protection Grade		IP65	
Remote Gontrol		Yes	
Operating Temperature		−20 °C to 60 °C	
Housing		Aluminum	
Warranty		2 Years	
G.W.	5. 12Kg/pcs	5. 84Kg/pcs	7. 35Kg/pcs
Packaging	600*300*380mm/6pcs	650*310*410mm/4pcs	690*170*470mm/2pcs

Illustration of remote control

Light control mode : connect lamp and solar panel, press the [AUTO] button, then the light will turn on automatically when darkness falls and turn off during the day.(setting with memory, only need to set up once)

Power button
(Press this button before use)

ON — ON
OFF — OFF

Brightness increase — +

3 Hour timer — 3H WW 12H — 12 Hour timer

Brightness decrease — −
Warm white

RGB breathing — RGB

Red — RED
GREEN — Green

BLUE
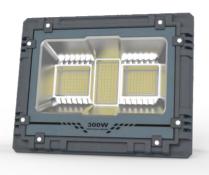Blue

Musical Rhythm Function

This product can be controlled by a smart phone via App by connecting bluetooth. Equipped with full color SMD 5050, luminaire will change the color and mode automatically according to the musical rhythm, which can be widely used in the garden, park, plaza. Not only for lighting, but also bring you an impressed experience on the culture of light.

More...

Product lighting mode

Power reduction in different modes	Startup time				
	0~0.5H	0.5~2H	2~4H	5H	5H to morning
Normal mode	100~80%	80%~60%	60%~50%	50%~40%	40%~30%

Application

Package

CRI

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Remark...