

AG-HPS

Item		AG-HPS040WMSCK	AG-HPS050WMSCK	AG-HPS060WMSCK	AG-HPS080WMSCK	AG-HPS100WMSCK	AG-HPS120WMSCK
Solar Panel	Material	A grade high efficiency monocrystalline solar cells imported from USA			A grade high efficiency monocrystalline solar cells imported from USA		
	Max Power	60W 18V	70W 18V	80W 18V	100W 18V	130W 18V	150W 18V
	Life Time	20-25years	20-25years	20-25years	20-25years	20-25years	20-25years
Battery	Type	30AH/12.8V LifePO4	36AH/12.8V LifePO4	42AH/12.8V LifePO4	57AH/12.8V LifePO4	63AH/12.8V LifePO4	78AH/12.8V LifePO4
	Life Time	4-5years	4-5years	4-5years	4-5years	4-5years	4-5years
LED Lamp	Max Power	40W BridgeLux LEDs	50W BridgeLux LEDs	60W BridgeLux LEDs	80W BridgeLux LEDs	100W BridgeLux LEDs	120W BridgeLux LEDs
	Sensor(Available)	PIR Motion+Night	PIR Motion+Night	PIR Motion+Night	PIR Motion+Night	PIR Motion+Night	PIR Motion+Night
	LED Lumens	5000-5400LM	6250-6750LM	7500-8100LM	10000-10800LM	12500-13500LM	15000-16200LM
	Life Time	50000hours	50000hours	50000hours	50000hours	50000hours	50000hours
	View Angle	120°	120°	120°	120°	140*70°	140*70°
Case Material of Lamp		Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Charge Time By Sun		6-7hours(Enough Strong SunShine)		6-7hours(Enough Strong SunShine)		6-7hours(Enough Strong SunShine)	
Work Time	Power Lumen (50%)	30-40Hours	30-40Hours	30-40Hours	30-40Hours	30-40Hours	30-40Hours
	Power Lumen (100%)	15-20Hours	15-20Hours	15-20hours	15-20hours	15-20Hours	15-20Hours
Wind Resistance		130KM/Hrs	130KM/Hrs	130KM/Hrs	130KM/Hrs	130KM/Hrs	130KM/Hrs
Work Temperature		_30°C - +70°C	_30°C - +70°C	_30°C - +70°C	_30°C - +70°C	_30°C - +70°C	_30°C - +70°C
Color		WW/NW/CW 3000-6000K	WW/NW/CW 3000-6000K	WW/NW/CW 3000-6000K	WW/NW/CW 3000-6000K	WW/NW/CW 3000-6000K	WW/NW/CW 3000-6000K
Installation	Mounting Height	7-8Meters	7-9Meters	8-12Meters	8-12Meters	10-13Meters	10-15Meters
	Mounting Distance	22-26Meters	24-30Meters	25-31Meters	25-33Meters	25-33Meters	25-33Meters
Packing Information	Product Size	1130*330*140mm	1130*458*140mm	1130*458*140mm	1130*590*140mm	1830*388*45mm	1830*388*45mm
	Weight	NW:19KG; GW:21KG	NW:21KG; GW:22KG	NW:22KG; GW:23KG	NW:26KG; GW:28KG	NW:27KG; GW:29KG	NW:28KG; GW:30KG
	Package Size	1sets/120*40*20cm/CTN	1sets/120*54*20cm/CTN	1sets/120*54*20cm/CTN	1sets/120*68*20cm/CTN	1sets/191*47*12cm/CTN	1sets/191*470*12cm/CTN



Brief Introduction:

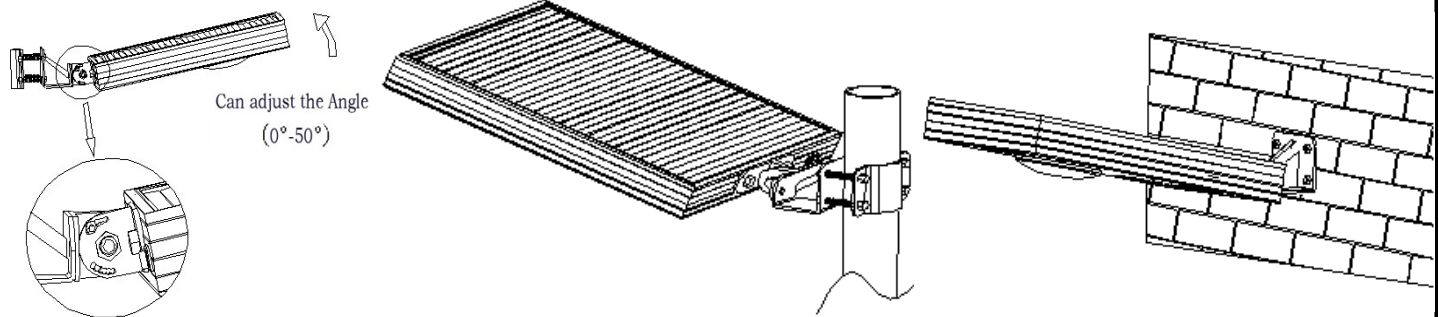
Integrated/all in one solar street light which integrates the green energy parts solar panel of high-efficient single-crystal solar cell and top conversion efficiency of gradient-doped and well ensure the abundant power, LED lamp and the LiFePO4 battery into a single product, with MPPT controller and human intelligence induction system to control the lighting mode automatically.

Features:

- 1, All in one/ Integral Patent design, no need extra cable, easy to ship, install and maintenance;
 - 2, Powered by Solar energy, easy to get the energy, environment friendly;
 - 3, Using 45mil Bridgelux led chip, ultra bright;
 - 4, With sensitive PIR motion sensor + night sensor, intelligent and energy saving;
 - 5, Elegant Integrated Design, Aluminum alloy case, anti-corrosion, rust-proof, light and durable;
 - 6, high efficiency mono solar panel and the battery can be easily replaced by users;
 - 7, 120° wide lighting angle, Support 3~7 nights after full charged, Easy to install and Auto on/off;
 - 8, Battery: lithium-ion ferrous phosphate battery, 3-5 years life time, good high temperature performance;
 - 9, IP65, well protect the light in the outdoor life; Frame thermal design, well keep the temperature low when working;
 - 10, Simple button operation but no any adjustment, just turn on and work, and light is with time period control, automatically lower the brightness at night when no passers;
- We have 40w-120w all in one/integrated solar street/mini solar powered led light for your choice, and can customized according to your requirements!!



Make the solar panel face south while installing. Meanwhile, you can adjust the angle between the lamp head and level (as follows), you'd better reconcile the lamp head with local latitude.



Installation For 40w-120w

To place the light pole into the best spot with good day lighting . The light pole should be the length 4-10m, the thickness 2.0mm with material iron or steel, the diameter 50-110mm

The parts should be showed cleared when open the packing, the parts are show below:

Unfold the knob of fuse(see below) and take out the insulating film if the fuse socket, to check up if the fuse working right or not, then tighten.

Place the lamp on the pole by its sleeve, special screw should be used and steady installation should be ensured.



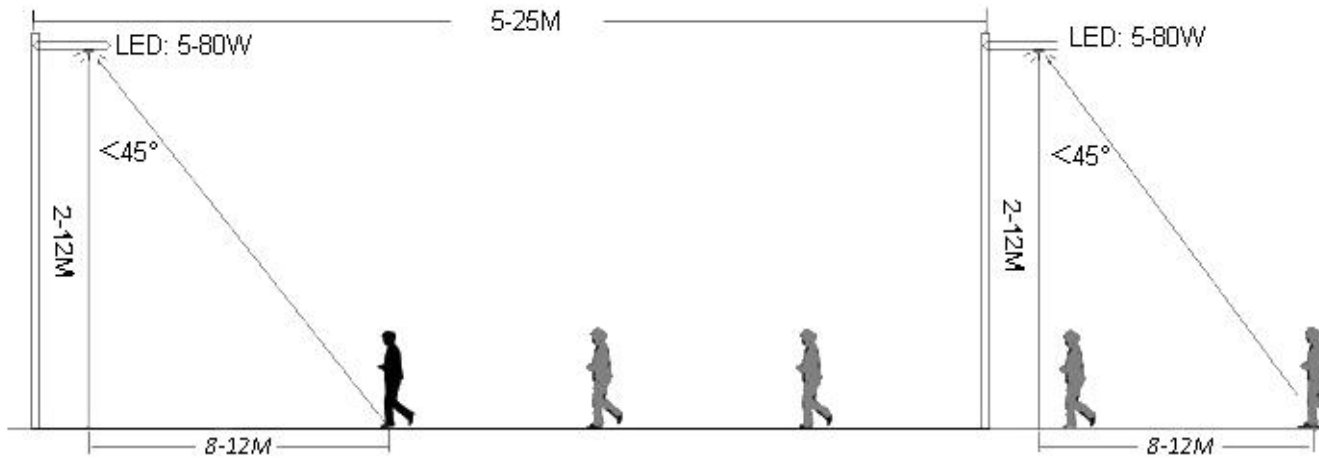
Remarks:

1. Please Charge the light (without discharge at night) for 3 days before installing!
2. Please remove the plastic isolation film on the transparent lampshade before using!
3. 40W-120W can be controled different function modes through wireless remote control!

Attention:

- 1, "All in One solar street light" can not work without sunshine charging, please select the suitable product model according to the local sunshine radiation and the annual total radiation.
- 2, "All in One solar street light" adopts the long life Lithium battery for storing energy, charging temperature at day time is between: $0^{\circ}\text{C}\sim+60^{\circ}\text{C}$, when temperature goes lower than 0°C , the control system will stop automatically to protect the battery, and it will revive to charge the battery while temperature goes higher than 0°C .
3. Discharging temperature at night is between: $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$, any ambient beyond will bring damage to the battery. Please confirm your local extreme temperature is suitable for above while selecting the street light. .
- 3, Battery of the "All in One solar street light" can be stored for 6 months long after full charged, and please examine, charge it periodically after long time transportation to prevent damage.
- 4, While installed in Northern Hemisphere, please make sure the surface of the solar panel to be facing the South to collect maximum sunshine radiation, While installed in Southern Hemisphere, please make sure the surface of the solar panel to be facing the North to collect maximum sunshine radiation. At the same tie please keep it away from any shadow of house, trees etc.
- 5, Keep clearing the surface of the All in One solar street light with normal detergent to get maximum power generation, clear the dust or tree leaves or any grease.
- 6, Fuse holder built on the light housing, please take off the isolation film before using, two pcs of fuse 10A(220V) be offered for backup

Work Instruction for Integrated/all in one Solar Street Light



Work Instruction:

- 1, LED will lighten(work) when chargeable voltage of solar panel is less than 5V (factory settings) in the afternoon.
- 2, Time of LED work is 8 or 10hours of factory settings (general 10hours more).
- 3, Factory settings can be changed according to different request of different customers
- 4, PIR motion sensor: when person walks in induction area, LED will lighten 100%; LED will lighten only 30% when person removes away from induction area.
- 5, Without PIR: LED work 10hours(factory setup), 4hours lightens 100%, 3hours 50%, 3hours 30% and work sequence in view of specific need for different customer.

User manual for remote controller:

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, 12hrs full power.

T: At night, 4 hrs full power + 8hrs 25%.

M: At night, 12hrs motion sensor control.

U: At night, 4hrs full power + 8hrs motion sensor control.

Note: After press "OFF", The light off and won't on anymore.

Please Press "M" to resume, it will working with "M" mode again.



Unique Design of Controller & Indicator

Solar LED Street Light 40W-120W



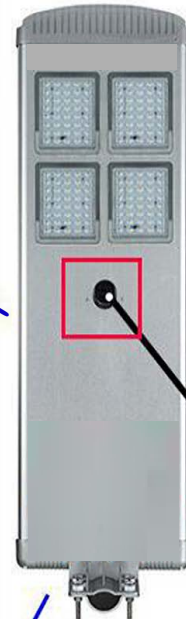
2. With Battery Power Indicator

1. Update controller have add 4 power indicators led, each led indicate 25% power.
2. Four led lighting means 75%-100% power, three led lighting means 50%-75% power, 2 led lighting means 25%-50% power, one led lighting means 25% power.

40W - 120W

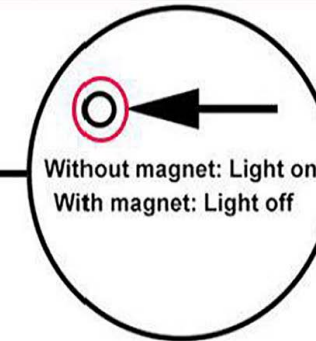


3. With Lamp Status Indicator



Before mounted on the pole,
take away the magnet iron sheet.

1. With Magnet Switch



Solar Light Controller Status Indicator		
Indicator Light	Status	Indicator Light description
① Yellow (Motion sensor)	On	Movement Detected
	Off	Without Movement Detected
② Green (LED)	On	LED with output: Light on
	Off	LED without output: Light off
	Flicker	LED Short circuit
③ Blue (Battery)	On	Battery power enough for work
	Off	Battery Without output
	Flicker	Battery undervoltage
④ Red (Solar panel)	On	Battery charged to full power
	Off	Solar panel without output (at night)
	Flicker	Solar panel is charging the battery