

Instruction Manual

Integrated Solar Street Light

(5W 8W 12W 15W)

(20W 25W 30W 40W 50W 60W 70W 80W)



Brief:

Our integrated solar street light which integrates the green-energy parts solar panel, LED lamp and the Li-Fe battery into a single product, is with human intelligence induction system to gain the solution of low-energy, long-time, high-luminance and free maintenance. And the same time, it's convenient in the shipment and installation.

Purpose:

To be installed in the garden, residential area, courtyard, road, mine area or parking area or provide the light in roads where it's necessary, the battery provide the energy for lighting, and the solar panel charge for the battery.

Product parts:

The product is made up with the integrated parts (solar panel, Li-Fe battery, LED, MPPT controller and human intelligence induction system) and the light pole.

Working characters:

The solar panel converts sunlight into electricity and stored in Li-Fe battery via controller, the LED light will work in night automatically by light sensor control, and provide light for the darkness area, the human intelligence induction system can save the energy when the lighting is not necessary

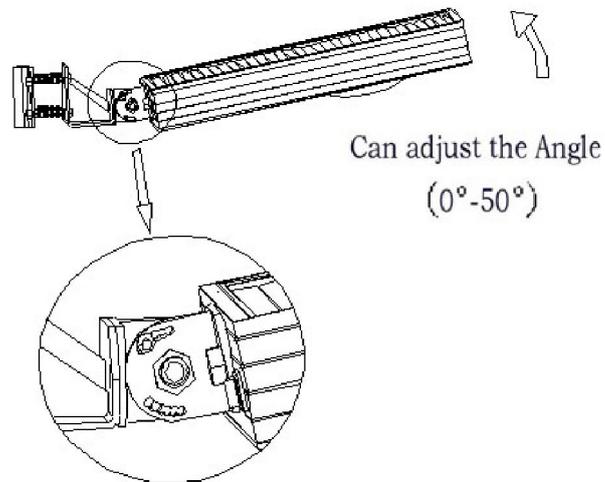


Technological Parameter:

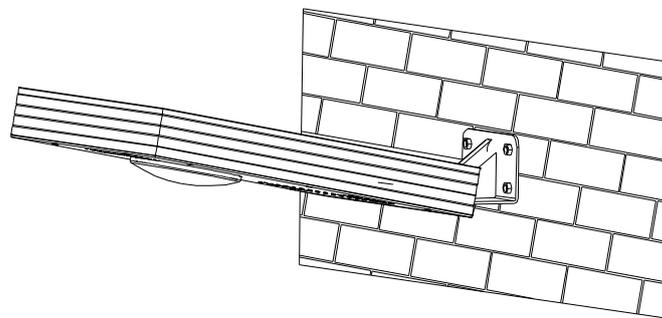
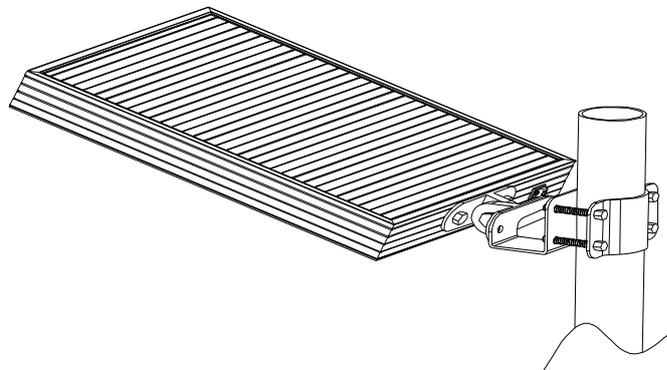
specifications					
light source		5W LED	8W LED	12W LED	15W LED
Solar panel		10W (Mono)	15W (Mono)	18W(Mono)	30W(Mono)
battery		4000mAh	6000mAh	6000mAh	12000mAh
Human body sensing		without	without	YES	YES
dimension		415*290*76mm	470*325*76mm	470*325*76mm	626*355*76mm
net weight		3.7KG	4.5KG	4.8KG	6.82KG
Light efficiency					
Luminous	Full load working	550lm	880lm	1320lm	1650lm
flux	Less load working	165lm	400lm	400lm	500lm
visual angle		120°	120°	120°	120°
color temperature		3000k-3500k	3000k-3500k	3000k-3500k	3000k-3500k
		6000k-6500k	6000k-6500k	6000k-6500k	6000k-6500k
Work time	Full power	12Hr	12Hr	12Hr	12Hr
	Saving mode	24Hr	24Hr	24Hr	24Hr
Ambient temperature					
work temperature		charging:0°C ~ +60°C discharging : -20°C ~ +60°C storage : 0°C ~ +45°C			
install					
install high		3 ~ 5m			
light spare		10 ~ 20m			

Installation:

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



The second installation method, as followed:

**2. Using method**

It could work when you open the switch without any adjustment. Very easy to operate.

Technological Parameter:

specifications									
Light source	20W LED	25W LED	30W LED	40W LED	40W LED	60W LED	70W LED	80W LED	
Solar panel	40w (mono)	50w (mono)	60w (mono)	60w (mono)	60w (mono)	80w (mono)	90w (mono)	100w (mono)	
Human body sensing	YES	YES	YES	YES	YES	YES	YES	YES	YES
Dimension	890X330X140 mm	1140X330X140 mm	1140X330X140 mm	1140X330X140 mm	1140X330X140 mm	1140X342X140 mm	1140X383X140 mm	1140X453X145 mm	
Net weight	11.8KG	13.2KG	14.3KG	15.0KG	15.9KG	16.4KG	16.7KG	19.2KG	
Light efficiency									
Luminous	Full load working	2200lm	2750lm	3300lm	4400lm	5500lm	6600lm	7700lm	8800
Flux	Less load working	660lm	800lm	1000lm	1320lm	1650lm	1980lm	2310lm	2640lm
Visual angle		120°	120°	120°	120°	120°	120°	120°	120°
Color temperature		3000k	3000k						
		-3500k	-3500k						
		6000k	6000k						
		-6500k	-6500k						
Work time	Full power	20Hr	15Hr	15Hr	15Hr	15Hr	15Hr	15Hr	15Hr
	Saving mode	40Hr	30Hr	30Hr	30Hr	30Hr	30Hr	30Hr	30Hr
Ambient temperature									
Work temperature	charging:0°C ~ +60°C discharging : -20°C ~ +60°C storage : 0°C ~ +45°C								
install									
Install high	5 ~ 7m						7 ~ 9m		
Light spare	10 ~ 20m						25 ~ 30m		

Manual :

."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.

."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 . 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.。

.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.

.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.

.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.

.Fuse holder built on the light housing, please take off the isolation film before using , one pc of fuse 5A(220V) be offered for backup.

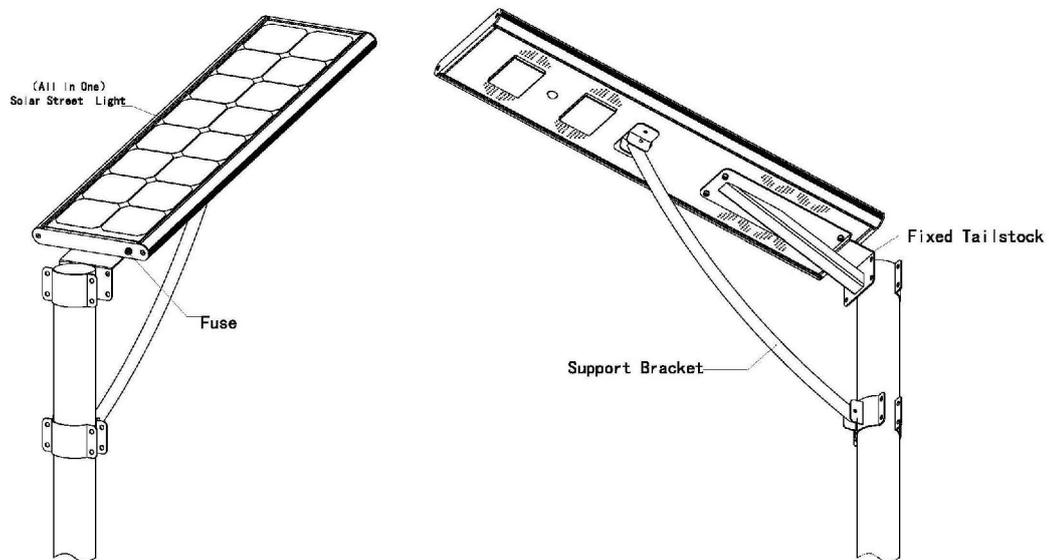


Installation:

To place the light pole into the best spot with good day lighting . The light pole should be the length 4-6m, the thickness 2.0mm with material iron or steel, the diameter 50-90mm

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

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



(END)