

# Instruction Manual

## Integrated Solar Street Light

( □ 25W □ 30W □ 40W )



**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.

**Components:**

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.



**Parameter:**

| Model                      | LR-SSLTY-25  | LR-SSLTY-30    | LR-SSLTY-40    |
|----------------------------|--|----------------|----------------|
| <b>Specifications</b>      |  |                |                |
| Light source               | 25W LED  | 30W LED        | 40W LED        |
| Solar panel                | 60W (Sunpower)   | 70W (Sunpower) | 70W (Sunpower) |
| Motion sensor              | YES  | YES            | YES            |
| Lithium Battery            | 33AH   | 33AH           | 33AH           |
| Gross weight               | 21.5KG   | 21.5KG         | 21.5KG         |
| <b>Light Efficiency</b>    |  |                |                |
| Full load working lumen    | 3050lm   | 3600lm         | 4700lm         |
| Less load working lumen    | 1200lm   | 1400lm         | 1700lm         |
| Visual angle               | 120°   | 120°           | 120°           |
| Color temperature          | □3000k-3500k   | □3000k-3500k   | □3000k-3500k   |
|                            | □6000k-6500k   | □6000k-6500k   | □6000k-6500k   |
| Saving mode working time   | ≥30Hr  | ≥30Hr          | ≥30Hr          |
| <b>Ambient Temperature</b> |  |                |                |
| Work temperature           | charging:0°C~+60°C    discharging : -20°C~+60°C    storage:<br>0°C~+45°C |                |                |
| <b>Installation</b>        |  |                |                |
| Install height             | 5~7m   |                |                |
| Light spare                | 10~20m   |                |                |

**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  $0^{\circ}\text{C}$ , the control system will stop automatically to protect the battery, and it will revive to charge the battery while temperature goes higher than  $0^{\circ}\text{C}$ . 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.



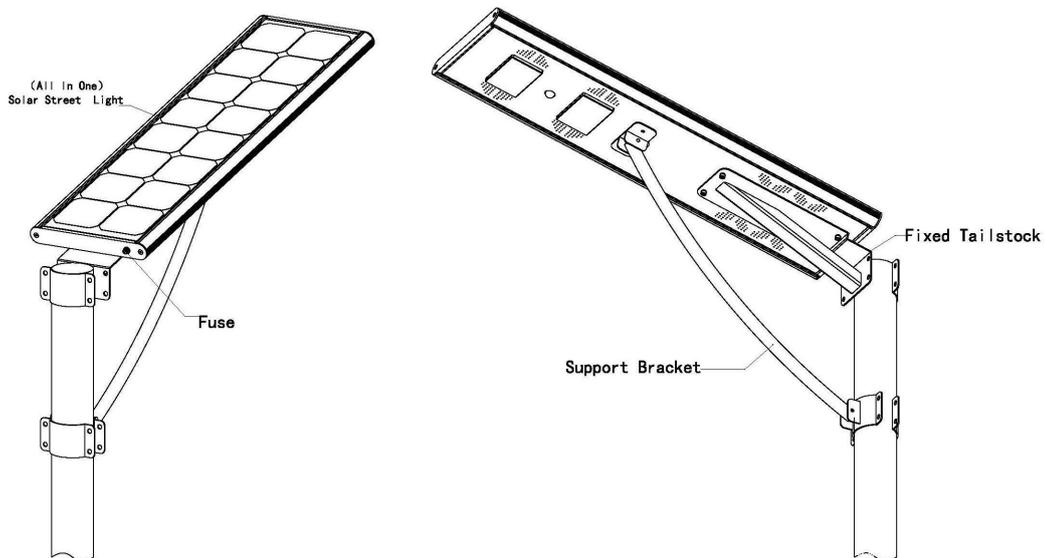
### Installation:

To place the light pole into the best spot with good day lighting . The light pole should be the length 5-7m, 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:

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



( END )