



100W

ALL-IN-ONE SOLAR LED STREET LIGHT SPECIFICATION



INTRODUCTION

The All-in-One solar LED street light is the newest technology for solar street lights. With its all-in-one design, its solar panel, LED lamp, lithium battery and charging controller are all integrated into one single body. With this new technology, there is no need for cables or any digging of underground spaces to store its battery. Installation can also be done very quickly. Additionally, this solar LED street light is comprised of the latest intelligent lighting system. The lamp works automatically based on day and night. It has three settings including a motion sensor, time schedule and internet control, to meet different requirements. There will be no need for unnecessary settings after installation. Compared to traditional solar street lights, it is much easier to install and transport, with a longer lifespan than lead-acid batteries and is also cheaper to maintain.



PRODUCT STRUCTURE



100W ALL-IN-ONE SOLAR STREET LIGHT SPECIFICATION

PRODUCT PICTURE



DATA SHEET

LIGHTING

| | |
|-----------------------|--|
| Efficiency | 200-240LM/W |
| LED Chip | Philips 3030 (certified per IESNA LM-80 TM-21) |
| CCT | 3000-6000K |
| Life span | 50 000 hours (12 years) |
| Max power | 100W |
| Nominal power | 50W |
| Typical Luminous Flux | 10000-12000LM |
| Beam angle | 80°x150° |
| Working way | Motion Sensor/Time Schedule |

PHOTOVOLTAIC PANEL

| | |
|--------------------|--------------------------------------|
| Technology | Mono-crystalline photovoltaic panels |
| Power of PV Module | 120Wp |
| Lifespan | 25 years |

BATTERY

| | |
|-----------------|---------------------------------|
| Technology | LiFePO4(Lithium Iron Phosphate) |
| Lithium Battery | 615WH |
| Autonomy | 3-5 Rainy days |
| Lifespan | 12 years |

CHARGING CONTROLLER

| | |
|------------|------------------------------------|
| Technology | MPPT(Maximum Power Point Tracking) |
| Lifespan | 12 years |

GENERAL

| | |
|--------------------------------------|----------------|
| Dimensions | 1627*407*165MM |
| Weight | 17.3KG |
| IP | IP66 |
| Working Temperature | -20°C~+60°C |
| Recommended Installation Height | 7-9M |
| Recommended Installation Distance | 30-35M |
| Recommended Diameter of Top mounting | 75-80MM |

LUX DATA

