Solar Street Light
Solar Courtyard Light

User Manual

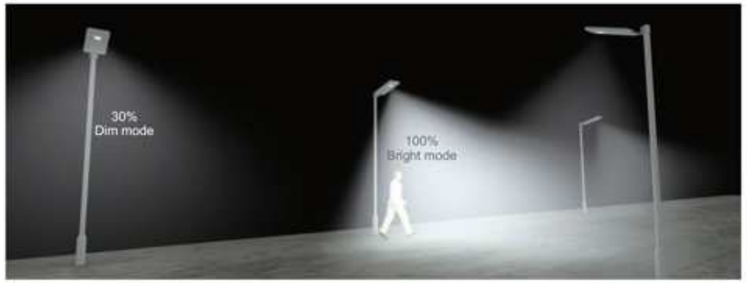
The design of solar street light / courtyard light absorbs energy from the universe, and combines with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness (5W average equals to 100W incandescent light), long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. It is one of ours great innovation patented products.

SolarPath™ sun solutions

SolarPathUSA 123 Town Square Pl. #333Jersey City, NJ 07310 USA
Tel: 1.888.333.SOLAR(7652) | Fax: +1.201.839.4607|

To avoid incorrect operation that may lead to damaging the unit, please read the following instructions for solar lights carefully before installation.

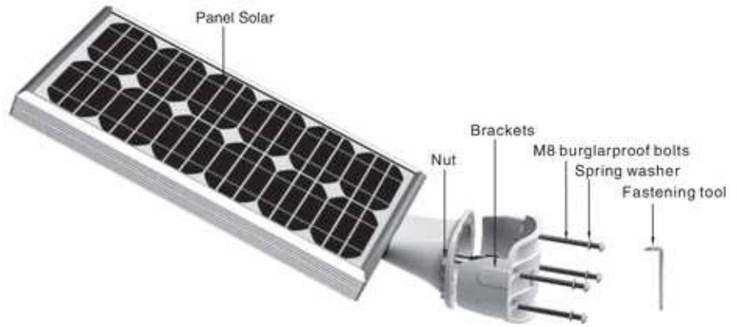
1. Solar lights units do not work without sunlight. Please choose the appropriate model according to irradiance or peak sun hours for the location of the installation. In areas that are short of sunlight or after continuous days of rain, solar lights units may only work shortly or may not turn on at all. For areas where this applies we recommend the use of the AC input capable models.
2. Solar lights units incorporate highly efficient lithium batteries. The functional charging temperature is 0℃～+60℃. A built in controller will stop charging automatically in order to protect the lithium battery when the temperature is lower than 0℃. The battery will commence charging when the temperature returns to above 0℃. Temperature protection on the controller is an option. The discharge temperature range is -20℃～+60℃. Please make sure that the maximum temperature of the location installed does not exceed the above range.
3. Solar lights units can be stored with full charge for a maximum of 6 months. It will be necessarry to check charge and make records regularly during long periods of storage or the battery may be damaged.
4. Solar lights units should be installed with the solar panel facing the equator for best performance and durability. Make sure to clear trees, buildings and other shadows or the internal battery will not charge properly and the efficiency of the solar panel will be minimized, influencing the working time of the unit and battery life.
5. Cleanliness of solar lights units solar panels affects their generating efficiency. It is necessary to regularly clean the surface of the solar panel in areas with a high volume of dust or tree residue.
6. All internal parts of solar lights units are rated IP65 and are waterproof. Holes and slits on the luminaries are designed for heat dissipation and drainage. Metal parts are anodized rust-proof aluminum or stainless steel which can withstand high temperatures and high humidity in coastal or desert areas. The anti-theft designs of the fastening brackets add security to solar lights units.



Solar lights stays dim when humans are not around but increase its luminosity when it senses signal that people walk nearby.

Installation Guide:

1. Please open the package and confirm that all parts were received prior to installation. Refer to figure 1.
2. It is important to install the lamp post in a position that will allow the luminaries exposure to direct sunlight. As a suggestion, the pole height should be 10 to15 feet , pole diameter should be 2.4 to 3.6in , and lamp post thickness whether steel or iron should be more than 2mm thick.
3. Connect the waterproof wire terminal clamps in the bracket, and then put the terminals back into the bracket to avoid damage while installing onto the pole. Refer to figure 2.
4. For ideal installation of models with AC input, it is advised that you pre-plan the position of the luminaries on the pole. Port holes through the pole and insert the wire through for a clean installation. Please have a licensed electrician install this unit to avoid risk of failure, damage to luminaries and to minimize the risk of shock. Cable polarity is as follows: L (red), N (blue), G (yellow/green). Finalize wiring with silicone to waterproof after soldering or crimping.
5. Solar lights luminaries have security fasteners integrated in the mounting bracket. A special tool has been provided to fasten the bolts. The maximum torque for these M8 bolts is about 12Nm. Do not surpass this torque specification.



Assembly parts (Figure 1)

Connect the waterproof wire terminal clamps. (Figure 2)