



ZYTECH SOLAR STREET LIGHTS

Energy saving lighting

Solar powered LED street lights offer a 'zero running costs' solution for public and private outdoor lighting.

Spanish Quality. Best Prices.

A new generation of solar powered systems for street lighting

Solar Street Lighting is becoming more popular by the day as people are becoming more environmentally conscious.

Zytech Solar Street Lighting uses Solar Energy as a source of power which can store energy and work by using the energy at night.

Zytech Solar Powered Street Light basically works by producing electricity which is conducted via cables and a solar battery charger to the solar batteries placed at the base of the pole.

Zytech Solar Module

All high performance solar panels are made by efficient poly or mono solar cells with a rugged tempered glass face and aluminium frame.

Zytech Solars warranty of a power output of 25 years ensures your lighting system will generate power for decades into the future. The LED street light has got one or two modules depending on the application.

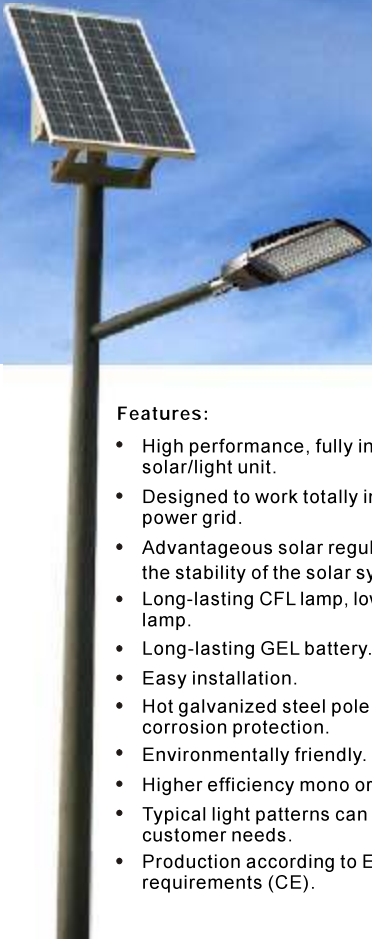
Solar regulator

The solar regulator is designed according to the solar street light system. The regulator protects the battery from being overcharged by the solar panels and being deep discharged by the loads. The charging characteristics include several stages.

Battery system

The advantageous GEL type battery allows free operation of the solar street light system. And the battery can be fully discharged without damage.





Features:

- High performance, fully integrated autonomous solar/light unit.
- Designed to work totally independent from the power grid.
- Advantageous solar regulator which guarantees the stability of the solar system.
- Long-lasting CFL lamp, low pressure sodium or LED lamp.
- Long-lasting GEL battery.
- Easy installation.
- Hot galvanized steel pole with spraying plastic and corrosion protection.
- Environmentally friendly.
- Higher efficiency mono or poly type modules.
- Typical light patterns can be preset to meet customer needs.
- Production according to European quality requirements (CE).

Module	ZT-160L	ZT-200L	ZT-260L	ZT400L
Solar module power	160 W	200 W	260 W	400 W
LED light power	30 W	60 W	90 W	120 W
Flux	2400 lm	4800 lm	7200 lm	9600 lm
Height	6 m	8 m	8 m	10 m
Battery	DC 12 V / 100 AH (maintenance-free lead acid battery)			
Controller	Capable of preventing overcharging, discharging, reverse polarity / light control time control			
Working time	6-8 h / day, for 3-5 overcast days (depends on different areas)			
Temperature	-20 C ~ +65 C			
Protection degree	Ip65			

Zytech Solar Street Lights for commercial quality lighting systems, residential streets, parking lots and security lighting using high quality of solar systems.

The applications for solar powered outdoor lighting systems are endless.

These units can be used for: security and safety lighting, rural area lighting, dock lights, park lighting, parking lot lighting, parkway lighting, walkway lighting, street lighting, transit lighting, outdoor area lighting, military and civil security and so on.

The usual costs of trenching and installing underground wiring often make a solar street lighting system an economically feasible lower cost option.

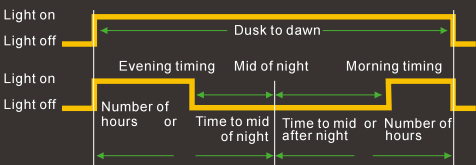
Solar street light load control feature

The customer can choose the morning timing function or choose the evening timing function. Also the solar street system can adjust to the time the load is working.

Also the load has an advantageous feature that it can adjust to the output of 50% automatically when the load is turned on.

The light pattern configuration enables the system to be configured according to the customer needs. Not only will it save battery consumption, it also allows easier energy configurations.

The diagram shows the potential of this system, and the visual experience confronted with the actual power consumption.

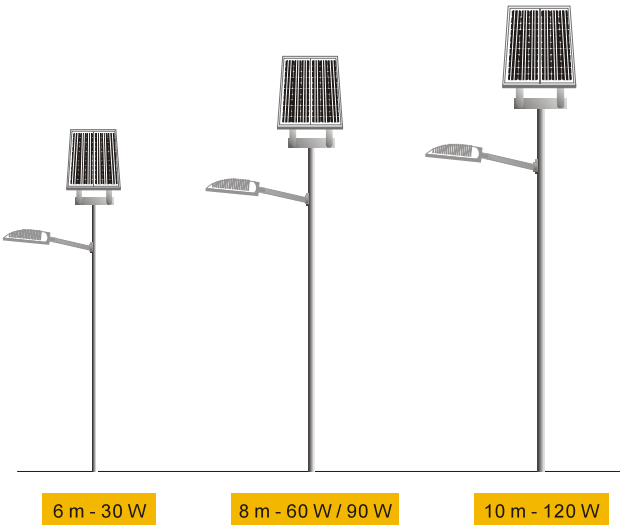


Zytech Solar Street Lights
Solutions according to your illuminance requirements and the climate in your area.

30W LED ↔ 80W HQL High pressure mercury lamp
60W LED ↔ 175W HQL High pressure mercury lamp
90W LED ↔ 250W HQL High pressure mercury lamp
120W LED ↔ 400W HQL High pressure mercury lamp

All LED lamps are designed for long life endurance:
the typical light level after 5 years is > 80%.

LED lights are extremely efficient, and durable light sources.





Zytech Solar

Zytech Solar with headquarters in Spain and sites in Germany, USA, China, France and Italy, is a recognized Spanish solar manufacturing company.

Consistent quality management and a state-of-the-art R&D department guarantee highly efficient long-lasting products and systems.

Further information is available at:

www.zytech.es

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