Silicon CPV

SOLAR LED STREET LIGHTING

Kamr XHL-G3

Wireless Remote Monitoring, Automatic Robotic Solar Panel Cleaning System and Ultrasonic Bird Deterrent

Multiple Benefits of Silicon CPV Solar Powered Street Lights:

- Automatic Robotic Solar Panel Cleaning System cleans dust from the panel every day.
- Uses free electricity from the sun so environmentally-friendly and pollution-free
- Built-in Ultrasonic Bird deterrent
- Easily Replaceable Battery bank housed in a strong aluminum removable cartridge
- Lightweight – each unit is less than 25kg
- Easy to install and safe to use
- Computer-controlled EMS
- No costly or complicated pipe-laying or underground wiring required
- No cabling required
- One unit so no separate battery
- Solar panel 25 year service life
- Special chemistry lithium - ion battery designed for greater than 5 year service life in elevated temperatures
- Remote wireless connectivity
- Stylish and integrated design
- Suitable for 11 to 14 meter height poles
- Robust and weather-tolerant

No Power Bills, No Grid Connection
GSM or Internet based Remote management

Our vision is simple – to develop and manufacture advanced Solar LED Street Lighting systems that will greatly reduce the cost of generating clean electricity from the sun's energy.
Silicon CPV's solar powered street lights are the most economic, reliable and versatile means of providing street lighting.
With a high efficiency long-life light source of up to 550,000 hours, the self-contained units are not only lightweight (less than 18kg per unit) but require no special tools or heavy lifting equipment to install. In fact they literally take just five minutes to install!

Built-in Automatic Robotic cleaning arm wipes the dust off the solar panel every day keeping the Solar panel at optimum efficiency.

The economic advantage of solar lighting is very clear – deploying a solar light requires no timely and often costly overhead or underground electrical wiring. Further, not having to provide additional electricity from the grid for lighting avoids the incredible expense of power plants and electrical distribution equipment.

The self-contained unit simply converts sunlight during the daytime into electricity and stores it into the battery. After sunset, the solar panel will detect a drop in ambient light and the system will automatically turn on the light. The LED light source complete with integrated lens ensures that all light produced is directed along the road exactly where required.