

SOLAR LED STREET LIGHTING - PYRAMID RANGE

Multiple Benefits of Silicon CPV Solar Powered Street Lights:

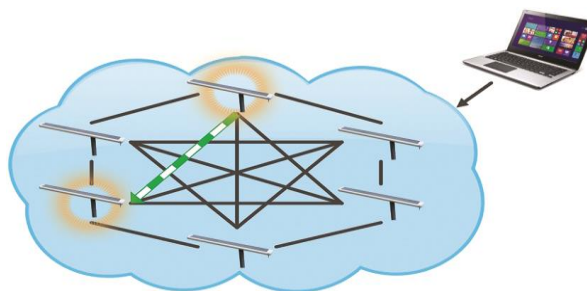
- **Un-Breakable** Solar Panels vertically integrated into pole for maintenance free operation
- Uses free electricity from the sun, environmentally friendly and pollution-free
- Battery bank charge controller, LED driver, communication interface all in a single removable cartridge
- Easy to install 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 5-year service life in elevated temperatures
- Remote wireless connectivity
- No costly maintenance required
- Stylish and integrated design.



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 50,000 hours, the self-contained units are not only lightweight (less than 19kg per unit) but require no special tools or heavy lifting equipment to install. In fact they literally take just five minutes to install!

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.

