



evergreen power limited

2009 - 2010 edition

Solar Street & Walkway Lighting System

your valued solar partner



www.evergreenpower.com.hk

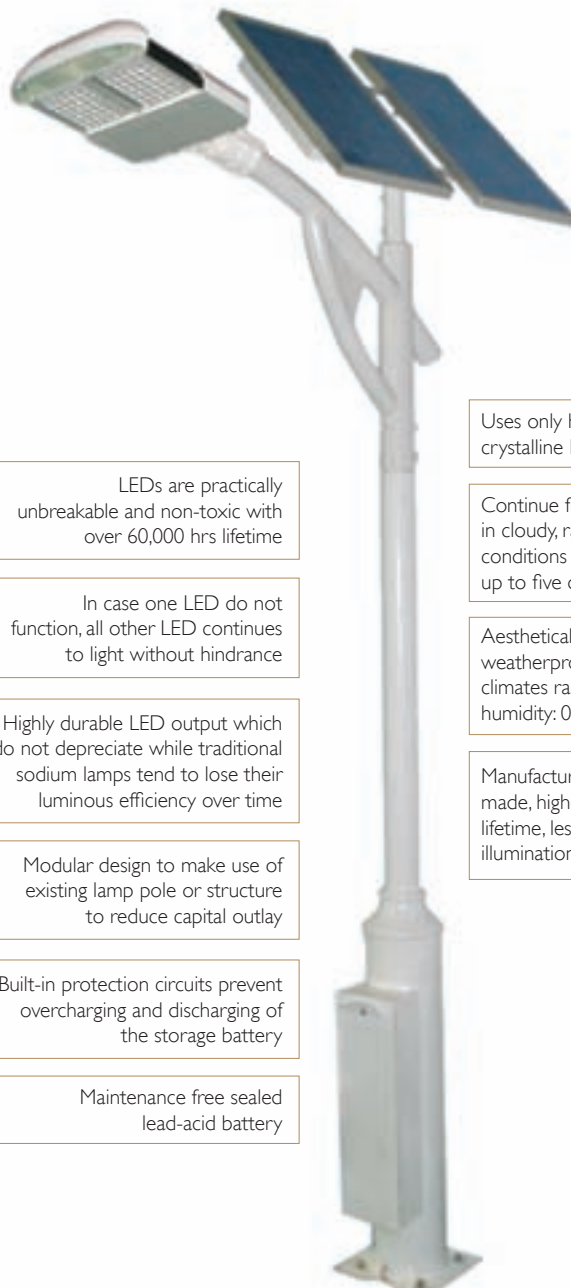
Evergreen Power Limited (EPL) is Asia's leading supplier of solar lighting, heating and power system. We specialize in delivering practical solar applications for our customers and partners. Based in Hong Kong, EPL believes solar green energy will become inevitable part of life in the 21st century and beyond. **Our aim is to deliver cost effective solar solution.** During these years, we have acquired strong technical expertise and experience working with agencies and distributors in Asia, Europe and Africa. We believe in long term, mutually beneficial relationships with our customers and create value through collaboration to enhance customer competitiveness. **Quality is what we built in each and every of our products which are backed by our extended warranty.** We have successfully delivered systems for powering computers, mobile phones and lightings to schools and communities in Africa and street illumination in Asia and other remote locations where electricity is not readily available.

EPL SOLAR STREET LIGHT solutions are ideal for main streets, rural roads, factory compounds, housing estates and other common areas for high brightness illumination. Designed to operate as one integrated system, this system includes the power generation, storage and management (solar panels, battery & controller) as well as the light itself, support frame & weatherproof housing.

Our range of solar street and areas lighting systems require no electricity line extensions and are maintenance free, making them ideal for locations where utility power is unavailable or uneconomic. All our solar street lights can be configured to turn on and off automatically between dusk and dawn or at pre-defined hours while auxiliary battery ensures continuous operation for up to FIVE days even in bad weather condition.

KEY FEATURES

1. Zero Operating Cost
2. Minimal Maintenance
3. Quick Pay-Back Period
4. Location Flexibility
5. Quick & Easy Installation
6. No Costly Evacuation & Cabling
7. Low Voltage No Electric Shock
8. Automatic Operation
9. Save Carbon Footprint
10. Emergency Lighting During Blackout



LEDs are practically unbreakable and non-toxic with over 60,000 hrs lifetime

In case one LED do not function, all other LED continues to light without hindrance

Highly durable LED output which do not depreciate while traditional sodium lamps tend to lose their luminous efficiency over time

Modular design to make use of existing lamp pole or structure to reduce capital outlay

Built-in protection circuits prevent overcharging and discharging of the storage battery

Maintenance free sealed lead-acid battery

Uses only high efficiency >14% crystalline PV module

Continue functioning even in cloudy, raining weather conditions and power black-out-up to five days

Aesthetically designed and weatherproof suitable for all climates ranging from 30° ~ 40°C, humidity: 0~95%

Manufactured using imported US-made, high-efficiency LED – longer lifetime, lesser energy and higher illumination than conventional lamp





Model Number: **EPWL-01**

- Power: 35W
- Battery: 12V - 38Ah
- Height: 3m
- Light source: 12V/5W x 2



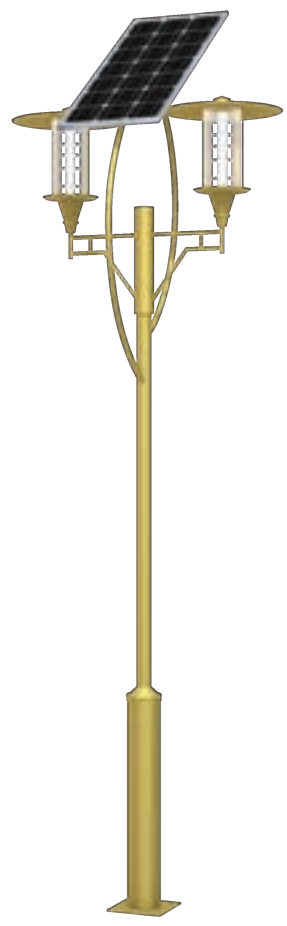
Model Number: **EPWL-02**

- Power: 40W
- Battery: 12V - 38Ah
- Height: 3.5m
- Light source: 12V/11W



Model Number: **EPWL-03**

- Power: 45W
- Battery: 12V - 50Ah
- Height: 4m
- Light source: 12V/13W



Model Number: **EPWL-04**

- Power: 50W
- Battery: 12V - 50Ah
- Height: 4m
- Light source: 12V/7W x 2



Unlike many other cheaper version of solar street light using conventional incandescent bulb, low grade panels and components, all EPL Solar Street Light uses **ONLY >14%** high efficiency crystalline solar panel and long life super bright, energy saving LED bulbs.



Model Number: EPWL-05

- Power: 65W
- Battery: 12V - 65Ah
- Height: 3.5m
- Light source: 12V/9W x 2



Model Number: EPWL-06

- Power: 40W
- Battery: 12V - 38Ah
- Height: 4m
- Light source: 12V/15W



Model Number: EPSL-01L

- Power: 55W
- Battery: 12V - 50Ah
- Height: 5m
- Light source: LED 12V/15W



Model Number: EPSL-02L

- Power: 72W
- Battery: 12V - 65Ah
- Height: 6m
- Light source: LED 12V/20W



Model Number: **EP SL-03L**

- Power: 90W
- Battery: 24V - 50Ah
- Height: 6m
- Light source: LED 24V/25W



Model Number: **EP SL-04L**

- Power: 110W
- Battery: 24V - 50Ah
- Height: 7m
- Light source: LED 24V/30W



Model Number: **EP SL-05L**

- Power: 180W
- Battery: 24V - 80Ah
- Height: 8m
- Light source: LED 12V/50W

- All lamp poles can be specified according to customers' requirement. Standard pole lengths are 4m, 4.5m and 6m. Most pole models can be fabricated locally and we will provide full design specification for your local fabrication to save on freight cost.
- All models can be customized for local condition accordingly according to geographical isolation pattern, primary usage and design.
- The standard systems comprise the following components:
 - Solar module
 - Sealed lead acid battery
 - Lamp Unit and mountings
 - Controller and timer
 - Wiring and battery box
 - Instructions



Figure 1



Figure 2



Figure 3



Figure 4

Figure 1: 75W Mono panel installed with 60 LED Lamp Unit

Figure 2: EPSL-03 with 90W Mono panel

Figure 3: 55W Mono panel with 55 LED Lamp Unit

Figure 4: Twin-panel design with 55W Multi-crystalline panel



Figure 5



Figure 6



Figure 7

Figure 5: 65W Solar Walkway Lighting for New Residential Estate (Dec 2007)

Figure 6: 60W Solar Walkway Lighting for Beijing University Campus A (March 2008)

Figure 7: 45W Solar Walkway Lighting for New Residential Estate Park in Bangkok, Thailand (August 2008)



evergreen power limited

Tat Wing Commercial Building | Suite 7-B | 14-16 Hillwood Road | Tsim Sha Tsui | Kowloon | Hong Kong
T: (852) 2311 2488 | F: (852) 2311 2489 | E: customer@evergreenpower.com.hk | www.evergreenpower.com.hk

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