



Clean
Efficient
Environmentally friendly
Pollution free

SPAL - Stand-Alone Solar Lighting Systems By SolarPower Ltd.

SolarPower's Area Lighting systems (SPAL) are designed to provide continuous and reliable sources of light, where grid electricity is unavailable, or where infrastructure is complicated or expensive. The SPAL system, equipped with the most advanced solar technology, provides long-term reliable maintenance free operation.

Designed to meet the highest environmental standards, it generates clean energy by means of a solar (photovoltaic) module.

SPAL requires only four hours of direct sunlight to reach full operational performance and will allow continued production of energy for over 3 overcast days under normal operation.

Applications

- Park lighting
- Parking lots
- Pedestrian walkways
- Cross roads
- Bus stations
- Historical sites
- Tourism and recreation (beaches, nature resorts)
- Green building projects

Advantages and Benefits

- Simple installation
 - No need for excavations or cables
 - Reduces pressure on other infrastructures
 - Shortens project duration
 - Environmentally friendly (Green energy)
 - No electricity bills
- In many cases, SPAL returns the investment on the day of the installation!*

System Description

Designed to be installed on standard pole, the angle of solar panel can be adjusted rotated through 360 degree to suit any location. The battery and system controller are housed in a ventilated weatherproof housing. An easy-to-program controller governs the user's lighting requirements.

System Components

- Solar Panels (Photovoltaic)
- Solar light controller
- Heavy Duty, maintenance free deep cycle Battery.
- Weatherproof electronics enclosure.
- Mounting structure
- Light fixture.



Technical specifications

- Lighting duration:**
customer selectable - 4/6/8/12 hours
- Lighting bulb:**
Compact Fluorescent (CFL) or
Low Pressure Sodium
- Lighting Power:**
26 Watts to 72 Watts
- Autonomy duration:**
3 overcast days
- Operating temperature:**
-10°C to 50°C
- Battery type:**
deep discharge, sealed, maintenance free
- Battery life expectancy:**
5 years
- Programming options:**
dusk to dawn
dusk to pre-set time
from pre-set time to dawn
- Battery location:**
top or bottom of pole
- Ordering options:**
Top-of-the-pole set
Complete solar pole

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