



SOLAR POWER FOR STREET LIGHTING AND OUTDOOR LIGHT

Our Street Light is designed for use with PV (Photo-voltaic) technology to provide self-sufficient night illumination. The solar modules convert solar energy to electrical energy during the day, which in return is used to charge the battery. The highly efficient illumination systems can work with your existing power systems or they can be installed with their own independent solar (PV) energy system.

We can supply most forms of outdoor lighting, using Sodium, Compact fluorescent or LEDs, as per requirement. LED lights are ideal for street lights, parking lots, warehouses, commercial facilities, campus and village street lighting and almost all public places requiring efficient lighting systems.



The system is provided with battery storage backup sufficient to operate the light for 12-14 hours per night. The system is provided with automatic ON/OFF time switch for dusk to dawn operation and overcharge / deep discharge prevention cut-off with LED indicators. The systems electronics provide for over-charge and over-discharge cut-off, essential for preventing battery and luminaries damages.



ADVANTAGES

- Absence of trench or resurfacing works
- No electrical bills to pay
- Practically no maintenance required, long life performance
- Easy and quick installation
- Independent from blackout in the normal electric supply
- Inherently safe for public use as it employs low Voltage 12V DC
- All components are weather proof
- Safe against vandals
- Highly reliable Stand-alone independent of each other
- The light can be aimed in any direction
- Rugged pole designed to withstand high wind velocity
- Reliable battery backup for cloudy or rainy days
- No safety hazards of solar street lights
- Dusk to Dawn operation

OSS can help you replace your existing lighting System with LED bulbs which will not only help you save on electricity cost, but also help your organization meet local “green building” requirement.

MODEL	SL-S30	SL-S60	SL-S80	SL-S100	SL-S120
LED Light					
• LED power	30W	60W	80W	100W	120W
• Working voltage	12V DC	24V DC	24V DC	24V DC	24V DC
• Lifespan	>50,000H	>50,000H	>50,000H	>50,000H	>50,000H
• Color temperature	5000K	5000K	5000K	5000K	5000K
Pole					
• Height	5-6m	6m	6-7m	8-9m	10-12m
• Material	mild steel	mild steel	mild steel	mild steel	mild steel
• Treatment	anti-rust	anti-rust	anti-rust	anti-rust	anti-rust
Controller					
• Amp	12V/10A	24V/15A	24V/15A	24V/20A	24V/20A
• Controlle method	PWM charge mode, automatic switch ON/OFF				
Solar Panel					
• Type	monocrystalline or polycrystalline				
• Capacity (Wp)	12V/120W	24V/220W	24V/300W	24V/340W	24V/450W
Battery					
• Capacity	1x12V/100AH	2x12V/130AH	2x12V/180AH	4x12V/130AH	4x12V/180AH
System					
• Working time	adjustable, 6-12 hours each day, 2-3 consecutive rainy days				
• Working temperature	-40°C - 60°C				
• Wind resistance	130KM/H				
• IP rating	IP65				
• Certificates	ISO9001, CE, ROHS, CWB				
• Packing	poles wrapped with flax, other components packed in cartons				
Aavailability	30W-120W Solar LED street light available				

* Indicative value, actual value depends upon selection of components and local site condition



Centralised Solar Street Lighting System

Specially designed for industries and large campuses. This solar based lighting solution provides 1-3-day autonomy and has significant benefits over conventional solar street lights. The system is a similar technology used in roof top installations where all the panels are installed in one location and the electronics and batteries are installed in a control room. A highly efficiency inverter converts solar DC input power to single phase AC output power which is supplied to the street lights (and other lights) just like conventional grid-based AC supply.

OSS has solution for all LED lighting application and specifically for

- ✓ Corporate, Industrial and Residence Buildings
- ✓ Street, Pathway, Highway and Roadway Lights
- ✓ Public Transportation Facilities
- ✓ Schools & Universities
- ✓ Hotel & Resorts
- ✓ Railway & Shipyards
- ✓ Perimeter Security, Parks & Recreation
- ✓ Billboards
- ✓ Underground & Multi-Storey Parking



OMAN SOLAR SYSTEMS CO. LLC

HEAD OFFICE

P.O.Box 1922, P.C. 112, Ruwi
Sultanate of Oman
Tel. : +968 24595756, Mobile : +968 99382156
E-mail : marketing@omansolar.com

BRANCH OFFICE

Sanana Trading LLC
P.O. Box 45254, Abu Dhabi, UAE
Tel. : +971 2 627 0343, Mobile : +971 50 617 4154
E-mail : marketingae@omansolar.com