



SOLAR PHOTOVOLTAIC STREET LIGHT



ABOUT SOLAR PHOTOVOLTAIC STREET LIGHT

CFL Based

Ceiling Solar Photovoltaic Street Lights are suitable for lighting roadways and other outdoor lighting. These are fitted with Compact Fluorescent Lamp (CFL) of 11 watt, which gives light equivalent to 75 watt incandescent lamp. The Lumen output is 900±5%. The fittings are lamp fitted with automatic dusk to dawn controller, which automatically switch ON the light at Dusk and switch OFF at Dawn. **Ceiling** Low maintenance Tubular Battery (Rate of Discharge C₁₀) used in the system with sufficient autonomy ensures smooth operation during prolonged non - sunny days. **Ceiling** Solar Street Light requires minimum maintenance and is extremely reliable compare to other solar street light. Lights are designed with less weight and dimension suitable for trouble free operation in extreme climatic condition.

LED Based

These are fitted with Light Emitting Diode (LED) of 6 watt, 12 watt etc. For example one 6 watt LED based Light can give light output more than 11 Watt CFL. The Life of LED based fitting is 12 times the life of CFL, which ensure rare replacement of the Luminaire. The fittings are fitted with automatic dusk to dawn controller, which automatically switch ON the light at Dusk and switch OFF at Dawn. **Ceiling** Low maintenance Tubular Battery (Rate of Discharge C₁₀) used in the system with sufficient autonomy ensures smooth operation during prolonged non - sunny days.

Advantages of LED based Lighting

1. Burning Life of LED is 100000 hrs whereas CFL last for 8000 hrs. Thus once LED based street Light (operation : 12 hours everyday) fitting is installed it works for more than 22 years as against 2 years in case of CFL.
2. No need of Complicated Ballast and hence no failure of Ballast and Light fitting.
3. Penetration of Light is better than that of CFL.
4. For being lower wattage, requirement of Battery capacity & SPV Module capacity reduces. Hence the systems become more portable and **less expensive**.

SOLAR STREET LIGHTING SYSTEM PACKAGES

SPECIFICATION	CFL BASED		LED BASED	
Model	CFL - I	CFL - II	LED - I	LED - II
Wattage of Luminaire	11	11	6	12
Solar Modular, 12Volt	37	74	37	74
Battery Type	Low Maintenance Tubular	Low Maintenance Tubular	Low Maintenance Tubular	Low Maintenance Tubular
Battery make & Rating	Ceiling 12V, 40Ah	Ceiling 12V, 75 Ah	Ceiling 12V, 40Ah	Ceiling 12V, 75 Ah
Duration of use per day	6 hours	Dusk to Dawn	Dusk to Dawn	Dusk to Dawn
Custom designed Solar Street Light to operate higher wattage LED, CFL, Sodium Vapour, Mercury Vapour & Metal Halide are also available on request.				

Marketed by :

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