



**Jain  
Jyot**

## LED Based Solar Street Light

A Jain Jyot LED Based Solar Street Light is a lighting system consisting of Super Bright Light Emitting Diodes (LED's), SMF battery, electronics placed in a suitable housing, made of metal, plastic or fiber and a solar PV module. The battery is charged by electricity generated through the PV module.

The operation is very simple. The solar energy is converted to electrical energy by the SPV module and stored in a sealed maintenance-free (SMF) battery. During charging, green light on charge controller will be continuously ON. After battery is full charged, green light will blink. At night, when solar panel voltage drops, luminary will be automatically switched ON & in the morning, when solar panel voltage increases, luminary will be automatically switched OFF. Therefore, it is ideal for remote/ inaccessible areas.

### System Description

- ◆ Solar Panel : 12 V, 37 Wp; Mono / multi crystalline type
- ◆ Battery : 12V, 40 AH; Sealed Maintenance Free Battery
- ◆ Light Source : Super Bright White LED
- ◆ Working Time : Dusk to Dawn (Automatic operation)
- ◆ Charging Time : 5 – 6 hours on a clear sunny day
- ◆ Warranty Period : 1 Year

### Applications

- ◆ Roads, Streets, Railway gates, Parks, Boundary Walls, Hotels, Hospitals, Remote & Inaccessible Places and wherever dependable lighting is desired.

### Benefits

- ◆ Easy to Install
- ◆ Super Bright white LED with Long Life
- ◆ No Electric Connection Required, No Electric Bill

### Safety Features

- ◆ System is Completely Shock Proof Due to Low Voltage Circuitry
- ◆ Short Circuit Protection



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