



**Jain**  
**Jyot**

## Solar - Wind Hybrid System

### The System

We offer Solar and Wind Hybrid Street Lights Systems as Green Energy solution. The power source of a wind solar hybrid street lighting system is natural wind and solar radiation. This hybrid system is more cost-effective and reliable in the wind available zone.

The whole system can also be used for home power generation and capacity will depend on load. The hybrid lighting systems are self-sufficient, standalone solutions that do not require the construction of costly mains grid electricity supply infrastructure nor the burden of their associated operating expenses. The systems are ideal solutions for many applications in cities and rural areas, providing lighting to enhance security and safety.

Power generation is dependent on the availability of wind and solar radiation.

- ◆ System output: DC and AC current simultaneously, and a wide voltage range
- ◆ Automatic system operation
- ◆ Wind Turbine can be from 300W to 4200W in the wind velocity range of 3.1 m/sec. to 15 m/sec.
- ◆ System consists of Luminaries, Lighting pole from 5M to 30M height, Deep Cycle Tubular Lead Acid Battery, Solar Panels, etc.
- ◆ The Lighting Fixture available in different type, Lighting Bulb in different Lumen flux

### System Features

- ◆ A long life span of system components –
  - Wind turbine with 15 years
  - Solar module with 25 years

### System Benefits

- ◆ Ecologically sound
- ◆ Clean renewable energy
- ◆ Reduction of carbon footprint
- ◆ Low maintenance
- ◆ Enhance neighborhood security
- ◆ Cost effective long term lighting solutions

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