

Wind Hybird Systems

PSS Solar Home Lighting System is an environment friendly and cost effective solution for rural home lighting requirements. A typical home lighting system consists of 2 or 4 numbers of 9W energy efficient Compact Fluorescent Lights, Solar Photovoltaic module, Battery and a Charge Controller. The Solar module charges the battery during daytime and the energy thus stored in the battery is used for powering the lights when required. The CFL luminary cabinet has a built-in high efficiency electronic inverter to reduce energy losses and provide extended lighting time. The home lighting system has efficient electronics which controls the overcharge and over-discharge of the battery and helps in increasing the life of battery.

Most reliable eco-friendly, clean & silent source of power

No fuel required

Provision of Battery Bank makes it the most reliable source of power

Negligible maintenance

No recurring fuel cost

Modular design

Simple installation

Can be mounted on ground, roof tops and so on

Savings on electricity bills

Transportation problems and uncertainty in availability of fuel are totally avoided by using solar photovoltaic systems

Power generation in day as well as night also

Various combinations available

Ideal for homes, hospitals, village electrification, community purpose and so on

Treet Lighting Systems

Solar Photovoltaic Street Light is a standalone Solar Photovoltaic System, having an energy efficient 11W / 18W Compact Fluorescent light providing illumination equivalent to 75W / 100W incandescent light bulb. The stand alone street light is equipped with a high efficiency electronic inverter to reduce energy losses and provide more lighting time. The system does not require any external power supply. The Solar Light is safe for public use as it employs low (12V DC) Voltage power. The street light has an Auto On/Off Dusk to Dawn facility.

Features

Automatic Dusk to Dawn Controller (DTDC)/ Timer operation

Highly efficient charge controller and inverter

Two step charging algorithm

Temperature compensated battery set points

Weather proof luminaries

Adequate protections and indications

Highly advanced charge controller

Anodised aluminium reflector

