





# **OFF GRID SOLAR SYSTEM**

# **About Solar Off Grid System:**

The solar off-grid system converts sunlight into electricity without connecting to the local utility grids. These are ideal for the areas without public grid access. Off-grid solar energy system includes storage solution for batteries or fly wheel energy storage which allows excess electricity from wasting and can be conserved for future uses.

## **Components of Solar Off Grid System:**

The main components of solar off –grid are:

1) Solar Panel 2) Con inverter 3) Battery

#### Uses of Solar off Grid System:

2) Back up power supply for homes 3) Medical Clinics 4) Telecommunication Stations 1) Mobiles 5) Meteorological Stations 6) Forest Fire Stations 7) Defence Work purpose

#### **Working Principles:**

The principle of operation is based on DSP technology. Latest DSP technology is used in this to control and monitor the type of connection i.e the battery or battery loading/ A/C power conversion. The advantage of low current harmonics and high PF is it reduces the A/C power bill or reduces diesel consumption.

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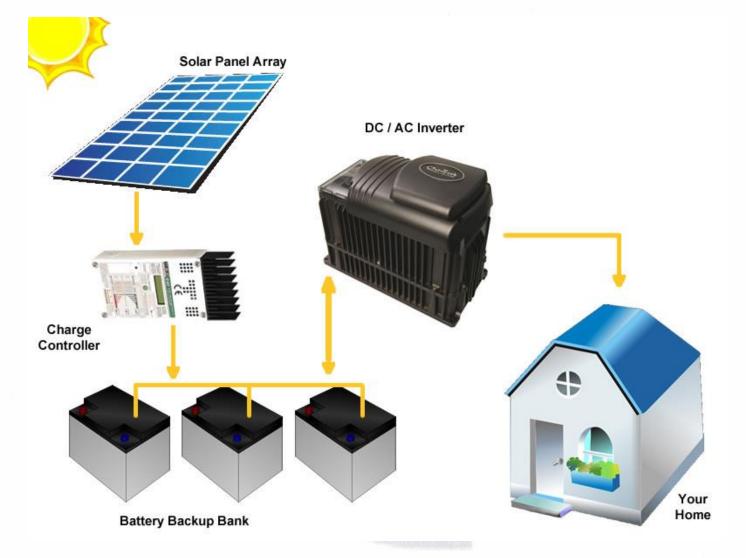
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Central India's 100mw Solar PV Module Manufacturing Industry

Traffic Signal | LED Display







**Advantages:** 

1) These devices can be used where sunshine is very high

2) It helps in less use of non-renewable energy resource3) It saves huge amount of electricity bills

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