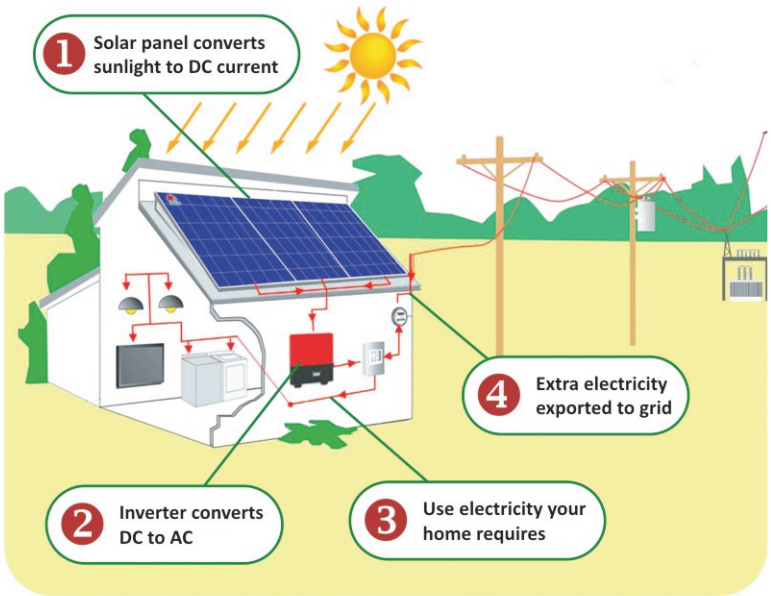
SUNGRACE

GRID CONNECTED PV SYSTEM

A Grid connected solar PV System generates electricity when the sun shines. The DC power produced from SPV module is converted by the Grid-Tie inverter into AC power, which is then sent to your main electrical panel for your electrical needs. Any excess power generated is exported to the utility grid through "net metering" to reduce your electric bill. The advantage of Solar roof top system is that it is relatively inexpensive to install and a faster payback of investment. Moreover you can get subsidy benefits also.

Why should you buy a Grid Connected PV system?

People decide to buy PV systems for a variety of reasons. Some people want to help preserve the Earth's finite fossil-fuel resources and reduce air pollution. Others want to invest in an energy-producing system because it makes them less vulnerable to future price increases of grid electricity. Some people may just appreciate the independence that a PV system provides. Whatever your reason, solar energy is widely thought to be the energy source of choice for the future, and you may be able to take advantage of a government - sponsored program to help make it your energy choice for today and tomorrow.



1999-2014
15
YEARS OF PV EXCELLANCE

80 kWp Solar Power Plant at Jamshedpur

400 kWp Solar Power Plant at Ranchi

20 kWp Solar Power Plant at Cochin

ADVANTAGES OF GRID CONNECTED PV SYSTEM

✷ A Grid Connected PV system will reduce the power bill as it is possible to sell surplus electricity produced to the local electricity supplier.

✷ Grid Connected PV system are comparatively easier to install as they do not require a battery system.

✷ Grid Connected PV system has the advantage of effective utilization of generated power because there are no storage losses involved.

✷ Grid-Tie Inverter are designed to supply power to the grid with automatic anti-islanding circuitry which will prevent any accidents during the grid failure.

✷ A photovoltaic power system is carbon negative over its life span, as any energy produced over and above that to build the panel initially offsets the need for burning fossil fuels. Even though the sun doesn't always shine, any installation gives a reasonably predictable average reduction in carbon consumption.

Please feel free to contact us at the following address.
We assure you our best service always.

Sungrace reserves the right to change the Specification & other details without any prior notice.

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CERTIFIED IEC INVERTER | CERTIFIED UL PV MODULE | CERTIFIED TÜV NORD ISO 9001

www.sungrace.net