



## GRID TIED SOLAR SYSTEM

### ◆ DESCRIPTION:

Grid-tied photovoltaic power systems are power systems energized by photovoltaic panels which are connected to the utility grid. Grid-tied photovoltaic power systems consist of Photovoltaic panels, MPPT solar inverters, power conditioning units and grid connection equipment. Unlike off-grid power systems these systems seldom have batteries. If the system produces more electricity than the household is using then electricity is exported to the main electricity grid and the home owner usually receives a credit for that electricity.



### ◆ FEATURES:

- **Low Cost:** generally grid tie solar system does not need batteries to store energy, so it cost less than off-grid system.
- **Easy To Install:** it is comparatively easier to install as it does not require a battery system.
- **Long Service Life:** both solar panel and grid tie inverter have long service life, other accessories are even longer.
- **Depends on Grid:** grid-tied system need to live close to power transmission lines, inverters will shut down when grid power is off.

