



NUETECH 
ENERGY FOR CHANGING WORLD
An ISO 9001 : 2015 COMPANY



www.nuetechsolar.com

ABOUT US



Nuetech Solar Systems Pvt. Ltd., established in 1992, is a manufacturer and supplier of Solar Energy Products and Water Purification systems. An ISO 9001:2015 certified Company, with its origin in the nascent days of Solar Thermal business in India, commands rich experience in both Solar Photovoltaics and Solar Thermal solutions.

Nuetech is the only Solar Water Heater manufacturer in India to be recognized as a Gold Standard Company meeting Global Goals for Sustainable Development and to be registered as a Clean Development Mechanism (CDM) project by United Nations Framework Convention on Climate Change (UNFCCC).

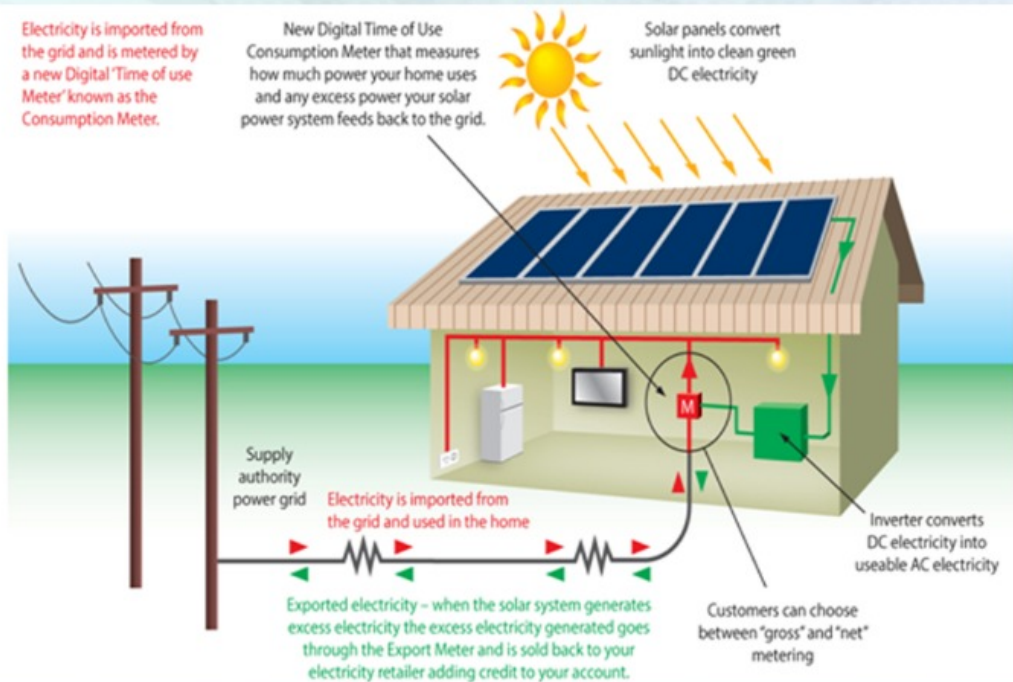
Nuetech is also empaneled by Mysore Sales International Limited (MSIL) as a supplier of all Solar Energy and allied products under the column 4(G) of the Karnataka Transparency in Public Procurement Act 1999, and would be able to supply the Solar Products to all Government establishments.

GRID - TIED SOLAR SYSTEM

The grid-tied, on-grid or grid-interactive solar system is the most common type of PV system.

In this battery-less system, the solar generation is first used to meet the demand of the existing loads and any excess generation is exported to the grid. If there is a short-supply or no solar generation, then the required energy is imported from the grid. A bi-directional net meter records the exported and imported electricity and the consumer is charged only for the net electricity consumed from the grid at the end of the billing cycle.

Compared to an off-grid system, which has batteries, this system is generally more efficient, cheaper, easier to install and requires less maintenance. The following figure explains how grid-tied solar system and net metering work



Major Components Used

Solar Module

Inverter – ON grid

Bi directional Energy Meter

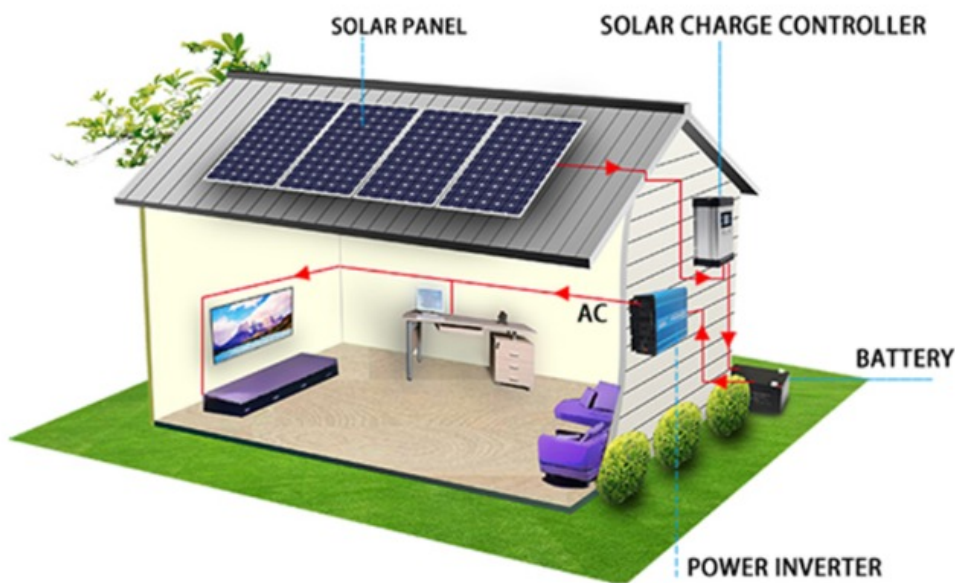
ACDB and DCCB Boxes

Accessories- Structures and Cables

OFF - GRID SOLAR SYSTEM

An off-grid solar system is best suited for remote areas with poor or no access to the grid. As the name suggests, this solution is completely independent of the grid and can be configured to power a wide range of appliances from lights and fans to fridges, washing machines, computers and even air-conditioners!

In this setup, solar panels convert sun rays into direct current (DC) electricity, which is used to charge batteries. An inverter then converts the electricity stored in the batteries into alternating current (AC). The AC electricity can then power the dedicated load. Any excess power generated is stored in the battery bank for use later.



Major Components Used

Solar Module

Inverter – OFF grid

Batteries

DCCB Box

Accessories- Structures and Cables

HYBRID SOLAR SYSTEM

A hybrid solar system combines the best from the grid-tied solar system and the off-grid system: it can interact with the utility grid and also store energy in a battery bank.

In an on-grid solar system, the system shuts down during a power outage for the safety of any linesman making repairs to the power lines nearby. However, a hybrid system can safely disconnect from the grid and provide electricity even during a power outage. This feature makes the hybrid system a more economical and environment-friendly alternative to an on-grid solar system with a backup.

In principle, the hybrid system works similar to an off-grid system. However, after charging the batteries and meeting the load requirements, the hybrid system is capable of exporting the excess solar generation to the grid. Moreover, any shortfall in solar generation is compensated by importing electricity from the utility grid, e.g. for charging the batteries or powering the load. The net energy is measured by a bi-directional meter based on the energy imported and exported between the system and the grid.



Major Components Used

Solar Module

Inverter – Hybrid

Batteries

DCCB Box

Accessories- Structures and Cables

SOLAR WATER PUMP SYSTEM



Solar powered pumps help the farmer in becoming grid independent, self sufficient in water resources, increase the number of crops per year, due to availability of more water. Solar powered pumps draw water during the day time when solar energy is available and using innovative Variable Frequency Drives, the pumps operate even at low light conditions thereby extracting maximum amount of energy from sun.

The advantages with solar pumps is that they draw maximum water when required i.e. during summer when there is highest solar radiation and during rainy seasons they draw less water due to lower radiation, but at the same time the requirement of groundwater is also less during those days.

These solutions do not require battery and run on standalone without any need for grid power.

ADVANTAGES OF SOLAR PUMPS

- It works in both Ongrid & Off grid.
- Assured water for 300 to 320 Days.
- High output in summer.
- Increase in productivity.
- Provide drinking water for remote areas.

Major Components Used

Solar Module

VFD drive - controller

Accessories- Structures and Cables

SOLAR STREET LIGHT SYSTEM

During the day, the solar panel converts sunlight into electricity, which is stored in the re-chargeable battery. At night, the light turns on automatically using the electricity stored in batteries. The number of hours the light stays on is dependent on your geographical location, seasonal lighting and Weather conditions availability.

The construction of this solar LED light is Sea-front resistant, and you will enjoy years of trouble-free use in all weather conditions if installed properly It has an healthy backup of 2 days

On Purchase you will receive Solar Panel, Cable & Luminary with Battery. Pole and mounting brackets are included. Dusk To Dawn Circuit is inbuilt. It will automatically turn ON & OFF during night and day Indicator provided to show Charging. Weather Proof Fitting and Run on Solar energy eliminating your electricity bills.



Major Components Used

Solar Module

Batteries

Accessories- Pole and Cables

Solar Charge Controller

ADVANTAGES OF SOLAR ROOFTOP

- ▶ Earn a great return on your investment within 3 to 4 years with low maintenance.
- ▶ Drastically reduce or even eliminate your electric bills.
- ▶ Reduce Carbon Footprint.
- ▶ Increase your property value by 10%.
- ▶ Protect the environment by non polluting technology.
- ▶ Fulfils Social Responsibility.
- ▶ Tax Benefits.
- ▶ Harnessing a Free Source which is abundant.

OUR SERVICES



ENGINEERING

WITH A FOCUS ON PROVIDING VALUE ADDED, INNOVATIVE, EFFICIENT AND LONG-LIFE SOLAR ENERGY SOLUTIONS, WE PROVIDE BOTH STANDARDIZED AND TAILOR-MADE SOLUTIONS BEYOND THE USUAL.



INSTALLATION

TRAINED, EXPERIENCED AND SKILLED TEAMS CONDUCT SITE ASSESSMENTS, PLANNING AND EXECUTIONS OF SOLAR INSTALLATIONS ALL OVER INDIA.



MONITORING SYSTEM

AN ENERGY MONITORING SYSTEM TO PROVIDE LIVE DATA OF ENERGY GENERATED WILL BE PROVIDED.



AFTER SALES SUPPORT

THE DEDICATED CUSTOMER CARE DEPARTMENT SUPPORTS OUR CUSTOMERS THROUGH OUT THE LIFE OF THE SOLAR MODULES/PANELS. A 25 YEAR WARRANTY IS OFFERED FOR THE MODULES/PANELS.

HOW WE WORK



CONTACT US

A FEW MINUTES WITH OUR EXPERIENCED CONSULTANT IS ALL IT TAKES TO BEGIN



GET A QUOTE

PICK FROM DIFFERENT MODELS AND GET A CUSTOMIZED QUOTE FOR YOUR PROJECT



INSTALLATION & COMMISSIONING

WE WILL DESIGN, SUPPLY AND INSTALL A CUSTOMIZED SOLAR SYSTEM TO FIT YOUR NEED



REGULATORY COMPLIANCE

WE WILL HELP YOU ALONG THE WAY & TAKE CARE OF ALL THE NECESSARY COMPLIANCES.



OPERATION & MAINTENANCE

TURN ON YOUR NEW SOLAR SYSTEM & WE WILL TAKE CARE OF ALL O&M WORK

APPLICATIONS



Industrial and Commercial



Hospitals



Schools and Colleges



Residential

SOLAR WATER HEATER



WATER PURIFIER & RO PLANTS



OUR AWARDS





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