



Solar Power System

Power Your Future with Photovoltaic



WSL ENERGY ENGINEERING SDN BHD

3rd Edition

Company Overview

ABOUT US

We undertake to design, supply, install, testing and commissioning of photovoltaic system for industries, residential homes, highways, advertisement boards, and in isolated locations. The system may be connected to TNB grid (i.e. on grid) or as stand alone system. (i.e. off grid).

Upon request, we will also apply on our client's behalf for any incentive scheme that is currently being promoted by the government e.g. tax rebate, import duties exemption, TNB feed-in-tariff, etc.



The company has a competent technical team to oversee the successful implementation of photovoltaic system projects. Together with our overseas partners, we can enhance our service to our clients including providing training to client's personnel in the operation and maintenance of our client's photovoltaic system.

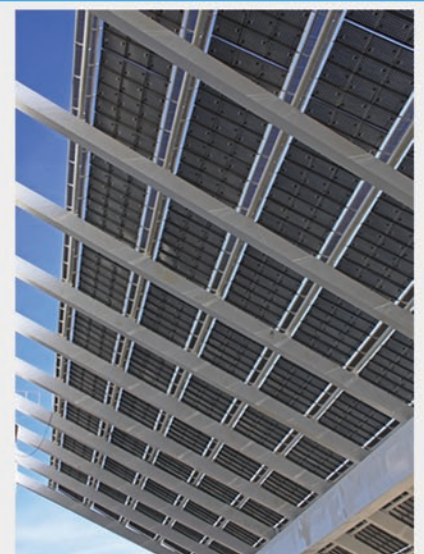
Introduction To Clean, Renewable Solar Energy

With ever rising demand on use of fossil fuels by our energy hungry society, our only earth that we all live in, is increasingly depleted with these scarce resources, and is polluted with the by products arising from these activities.

With advances made in the field of producing renewable solar energy, **WSL Energy Engineering SB** would like to introduce our range of renewable solar energy related products for use in your homes, factories, hotels, schools, public parks, highways etc, thereby reducing carbon dioxide emission and creating a clean environment, thus preserving our forest, air and water resources.

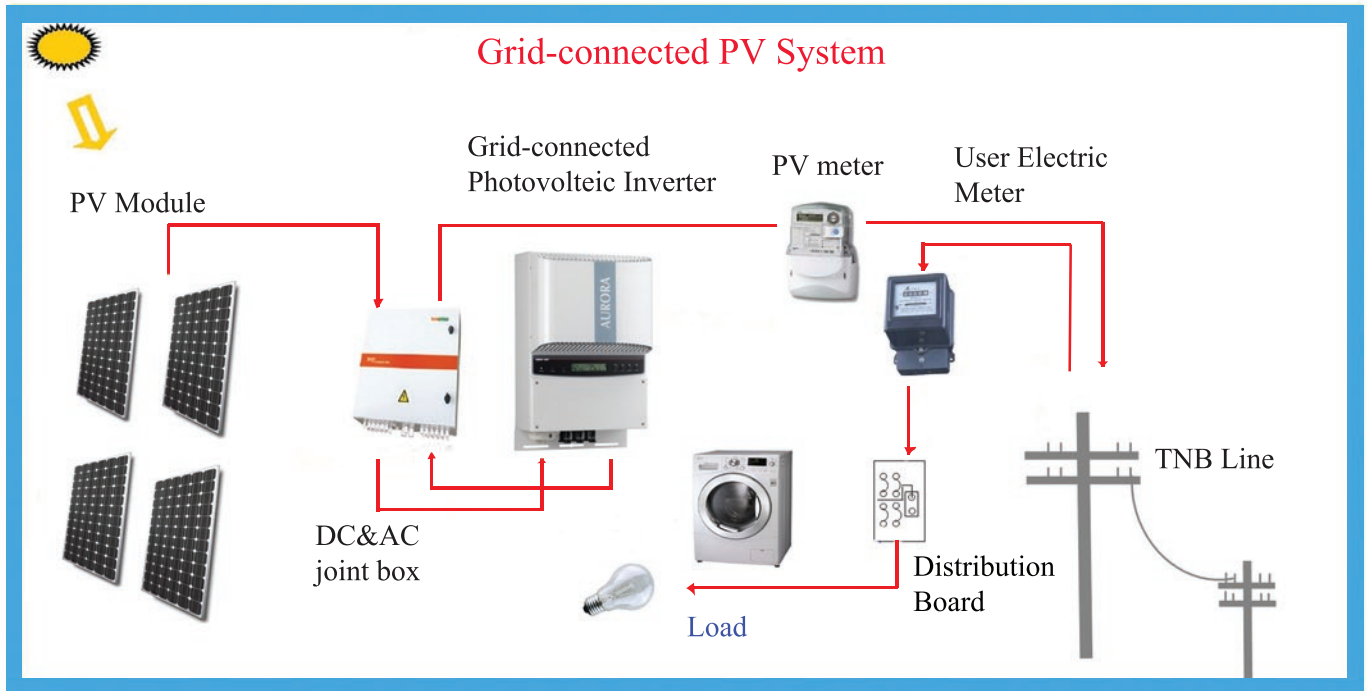


Based on calculation, if about 0.09% of Malaysia sky is covered with solar panels, then the power generated is enough to meet the electricity needs of the country.



Design Principle of The System

Over recent years, photovoltaic (PV) power generating system have attracted attention in the production of renewable energy. The market for such products is expected to grow at a fast pace in the coming years. While PV system are applicable all over the world, they reach their highest efficiency in regions with large solar radiation, like Malaysia .



Electricity produced during day hours can be sold to TNB (i.e. on grid system) at a higher tariff while



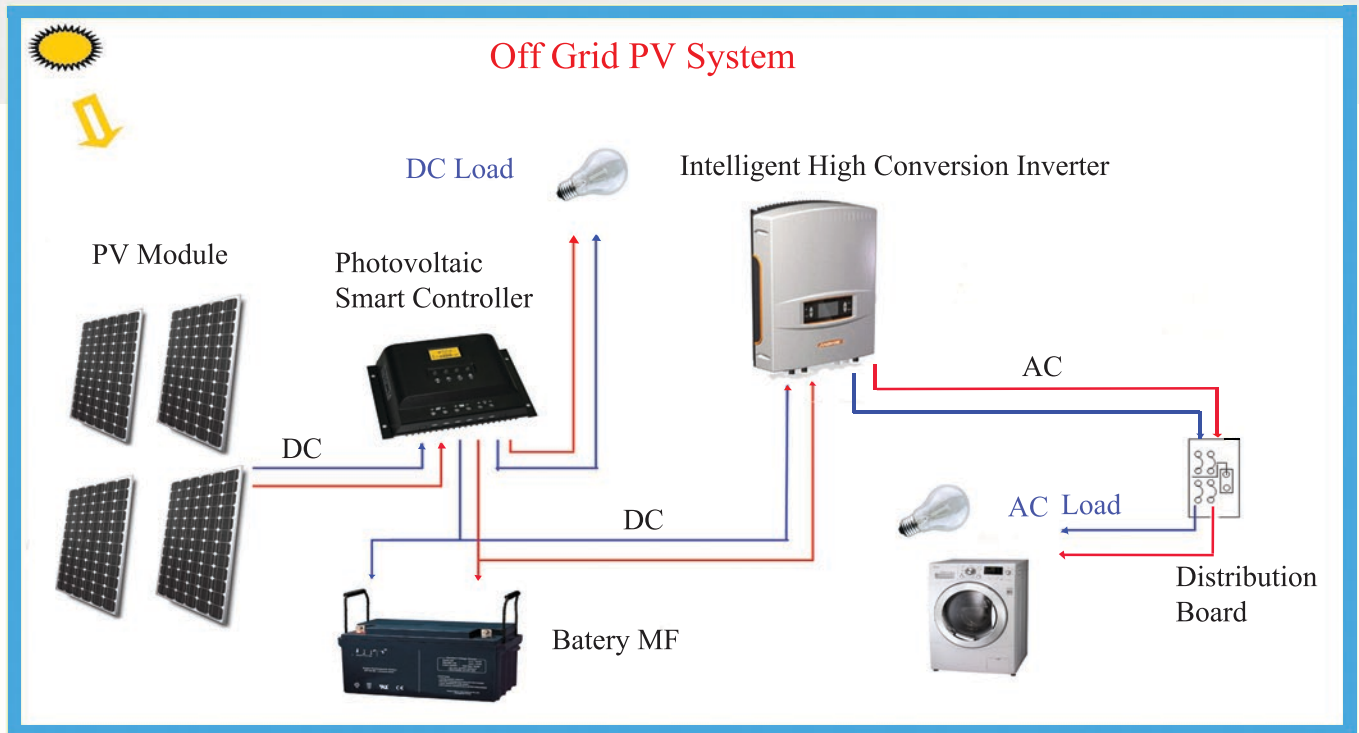
21 Years of electrical supply agreement with TNB

Providing the most prominent international quality of photovoltaic cells products

Limited quota available for individuals



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Electrical power produced by photovoltaic cells is controlled and stabilized by smart controller and then stored in the battery for consumption by the consumers later.



* Installed at University of Malaya (Solar Bus Stop System)

Providing the most prominent international quality of photovoltaic cells products

Solar Photovoltaic Power Supply System

The extensive application of generating solar power can provide long term economic and environmental benefits, to us and our community.

Large scale solar power on-grid system :

For application in industries and independent power producers.



Solar photovoltaic power generating on - grid system :

For application in residential homes, offices, hotel, etc .



The above systems are able to generate electricity during day time and through the proposed government incentive, Feed in Tariff (F.I.T), energy producers will be able to sell electricity to TNB at an attractive rate. This government incentive will eventually lead to the widespread use of clean energy to power our homes and industries.

Other uses of photovoltaic generated power :

In isolated areas, power generated can be used to drive pumps to draw in much needed water for local communities.



Solar Lighting System

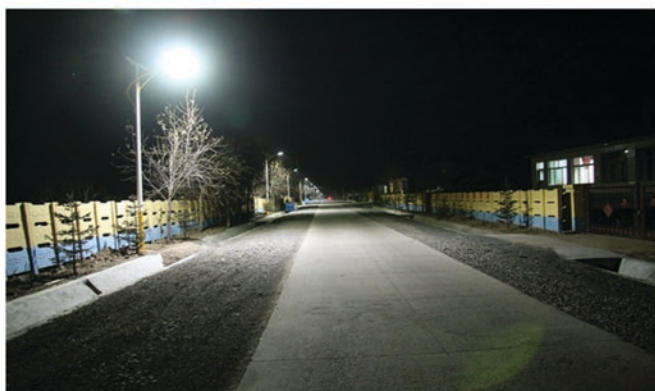


Solar power lighting system is widely used in city and country roads, highway and public parks.

Solar Street Lamps

These attractive street lamps can be installed in highway, city and residential roads, community roads, public parks and gardens.

No underground or above ground cabling works are required.



Product Description

Photovoltaic Module : Made with Mono or Poly Crystalline Solar Cells (80Wp ~270Wp)

Light Source : High Power LED Light 20W ~ 70W

Height : 5m ~ 10m

Material : Metallic structure

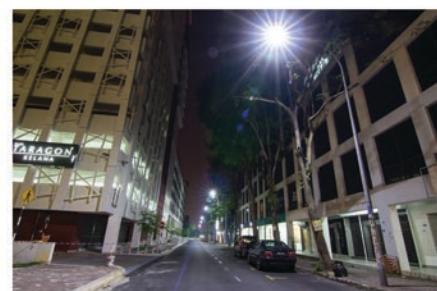
Working time : 6~11 hours, 2~5 rainy days continuously

Battery : 1-2 nos /12V (Maintenance Free)

Controller : Intelligent (single/dual output)

Temperature range : -40C to + 85C

Remarks : The above can be designed and tailored to Clients' requirements



Project References



Taman Perindustrian
Puchong Utama
Industrial Building



Kota Kemuning
Commercial
Building



Setia Eco Park
Bungalow



Bukit Jalil
Bungalow



University of Malaya
Solar Bus Stop



Sri Petaling
Semi-D



Kajang Utama
Terrace



Klang Lama
Terrace



WSL ENERGY ENGINEERING SDN. BHD.
(co.no.881177-V)

No.3, Jalan Utama 2/4, Taman Perindustrian Puchong Utama, 47100 Puchong.
Tel:03-8066 9333
Fax:03-8060 5415
Email: wsl@wslenergy.com
Website: www.wslenergy.com