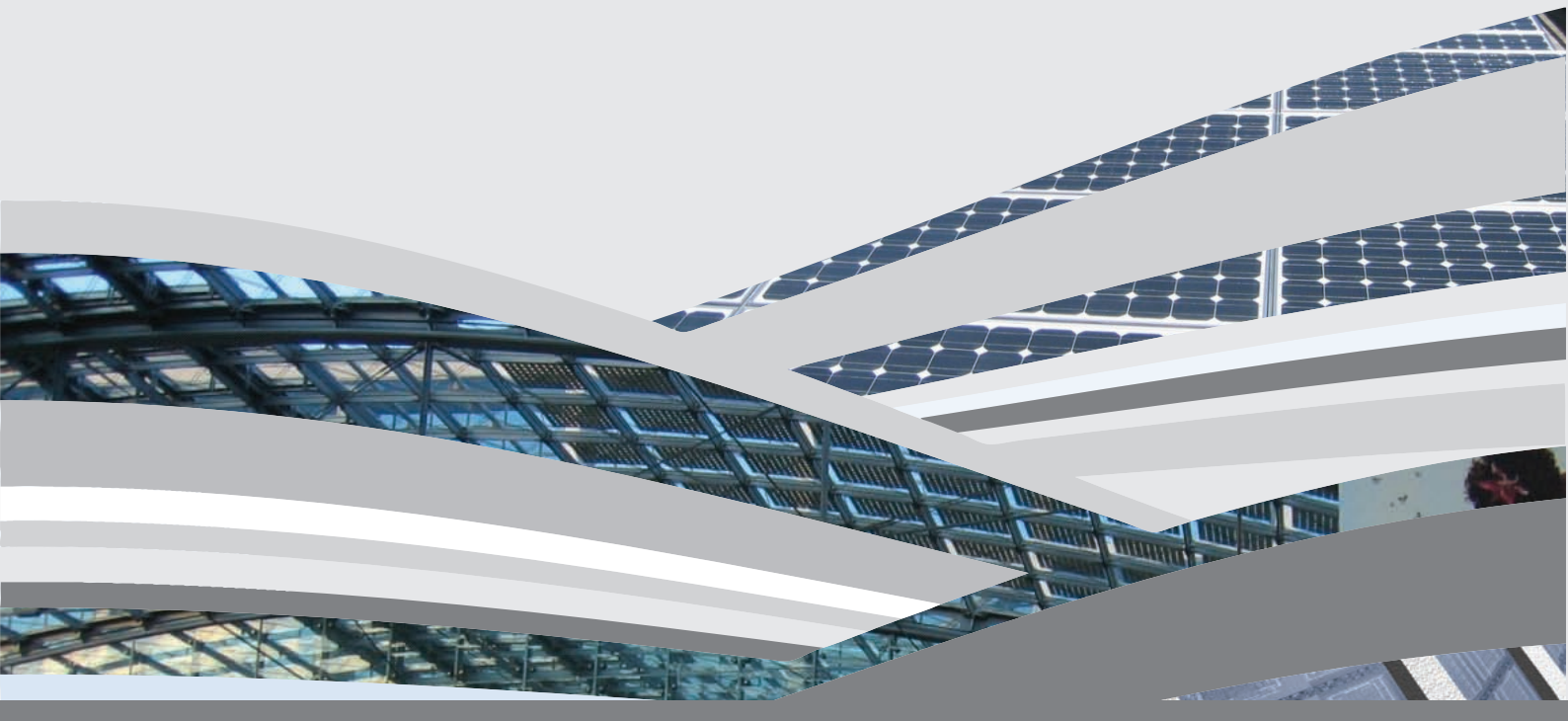
WELANTECH SOLAR

by Welantech International

Silicon-based PV Cells
Traditional PV Modules
Building Integrated PV Modules
Solar LED Lighting
Solar Thermal Water Heaters



Welantech International

Welantech International

Welantech International is a leading marketing service company and provider of total solutions from Taiwan with offices in Austria, Taiwan and China. Our company has over 25 years experience providing high quality products, solutions, and services to our clients in Asia, Europe, the Middle East, and North America. Traditionally most of our clients and customers have come from the petrochemical, plastics, LCD, and semi-conductor industries!

Solar Technology

Over recent years we have expanded our business into renewable energies and recycling technologies to meet the ever increasing demand in environmentally friendly technology! We have become one of the only providers for total solutions in the solar PV industry! Through our experience in sourcing new and emerging technologies many of our suppliers have also become our most loyal customer, which led to a deep partnership, not many other companies are able to achieve!

Solar Products and Services

Welantech International GmbH with its office in Vienna, Austria is the exclusive distributor of Taiwanese solar PV cells, modules, and special application systems for the territories including Western and Eastern Europe, Russia, CIS, the Middle East, and North America!

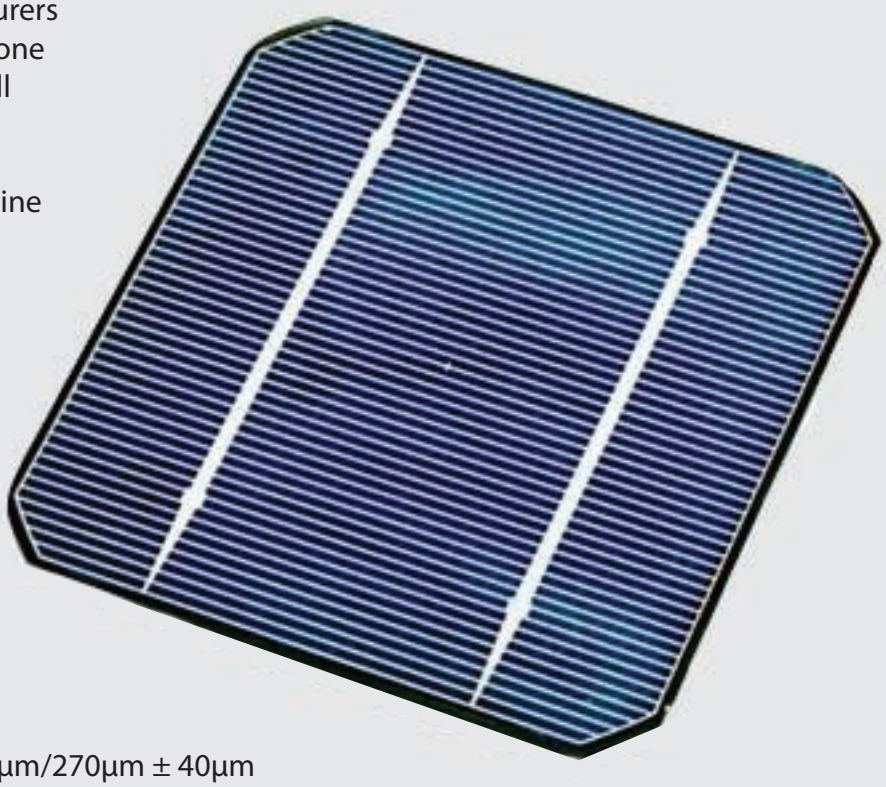
Please also visit our corporate website at www.welantech.com

Solar PV Cells

In order to support solar module manufacturers Welantech International is partnering with one of the best Taiwanese silicon based solar cell manufacturers.

We are able to supply both 5''mono-crystalline PV cells, as well as 6'''multi-crystalline cells.

Current efficiency ranges from 13% to over 16% for multi-crystalline cells, and 14% to over 17% for mono-crystalline cells.



Physical Characteristics:

6" Multi-Crystalline Solar Cells

Dimension:	156mm x 156mm ± 1mm
Thickness:	200μm ± 40μm/ 240μm ± 40μm/270μm ± 40μm
Front:	Silver bus bars; Dark blue/others silicon nitride antireflection coating
Back:	Silver/aluminum bus bars; Full-surface aluminum BSF

5" Mono-Crystalline Solar Cells

Dimension:	125mm x 125mm ± 1mm (pseudo-square)
Diagonal:	150mm ± 1.0mm (round chamfers)
Thickness:	210μm ± 40μm
Front:	Silver bus bars; Dark blue/others silicon nitride antireflection coating
Back:	Silver/aluminum bus bars; Full-surface aluminum BSF

Please inquire with us for electrical characteristics!

Traditional PV Modules

Traditional PV Modules can be used to supply a building with enough power to self-sustain! Excess capacity can be fed back into the grid, and thus generate income!

Welantech International can provide design and engineering support for any type of installation!

Our PV modules range from 80W - 250W per panel, and come with a standard warranty of 10 years 90%, and 25 years 80% minimum efficiency.

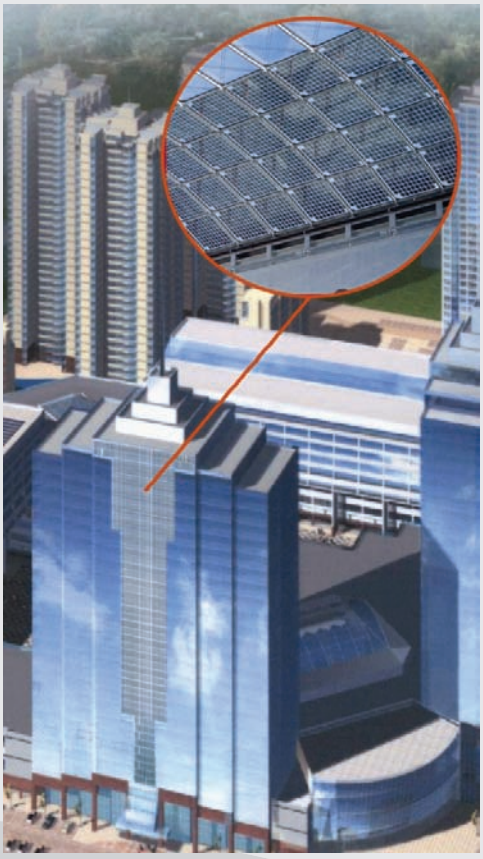
All PV modules are IEC 61215 & UL 1703 certified!

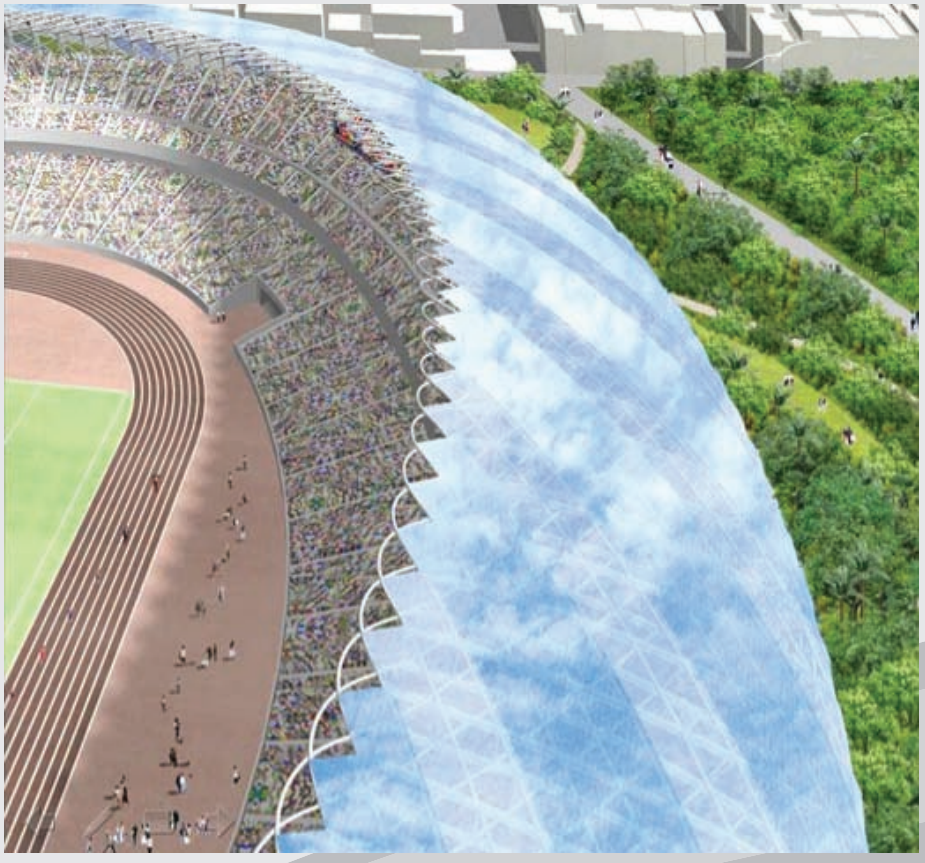
Building Integrated PV

Building Integrated Photovoltaics (BIPV), is a new method where solar panels made exclusively of solar cells and glass, are integrated into the design of the building.

This means that PV modules become part of the structure of the building!

Welantech International is one of the few suppliers for certified BIPV Modules, and with experience in design, engineering, and installation!



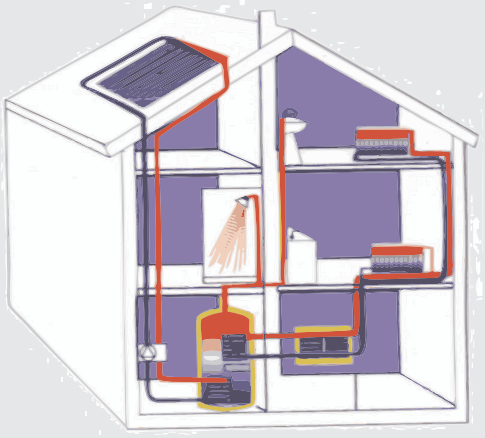


Solar Water Heaters

Solar thermal water heaters can easily be installed into any new or existing building to provide hot water for heating and consumption!

Optionally the system can be combined with solar PV panels, that are able to electrically heat the water tank in the building in case of very low temperatures!

This system provides a costeffective and clean solution for warm water supply!

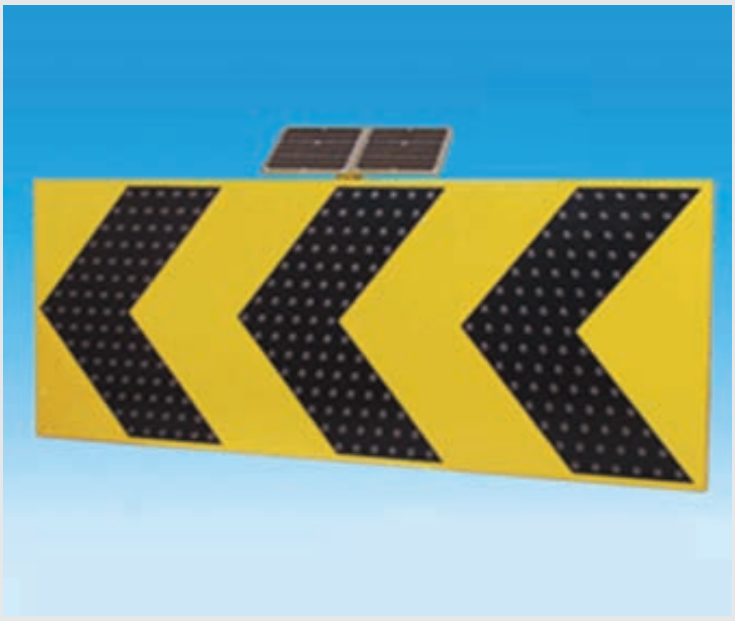


Solar LED Traffic Lights

Self-powered solar LED lights are already replacing many traditional road signs and road reflectors.

LED lights have a very low power consumption and very long life, thus making it a perfect addition to solar cells.

Welantech International has many different solar powered LED lights in its product line. Please inquire for complete list of available models and applications!



Solar LED Street Lights

Solar LED street lights are self-powered and able to replace traditional street lights in places where electricity is not easily available!

The lights can be installed on poles ranging from 2.5m to up to 9m, depending on the number of LEDs installed on the lamp. The available Watt range from 17W to over 140W per lamp!

We offer the lamps in a simple DIY fashion, and installation can be done by any regular construction or engineering company!

The lamps are powered only by the solar cells installed on top, and do not require any additional cables or electric supply.The lamps will turn on/off by itself, depending on the ambient light!

The housing of the lamps is weather proof, so they can be installed for various applications, such as drive ways, parks, gardens, etc.

Our Services

Design of PV Installations

Welantech International will be more than happy to assist its customers with the design of large-scale PV installations. We have great experience working with architects and engineering companies on BIPV and PV installations for hotels, office buildings, sport stadiums, etc.

Engineering/Installation

Welantech can assist the customer with engineering advice and service.
We are able to dispatch one of our own engineers to the customer's site to supervise the local construction company's work!

Financing of Large Projects

We are able to assist our customers of large scale projects to apply for financing/leasing through our partner banks. This service is, however, only available for selected products, countries, and projects exceeding EUR 500,000 in contract value!

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