

ONE OF THE
LEADING
SOLAR MODULES
MANUFACTURERS

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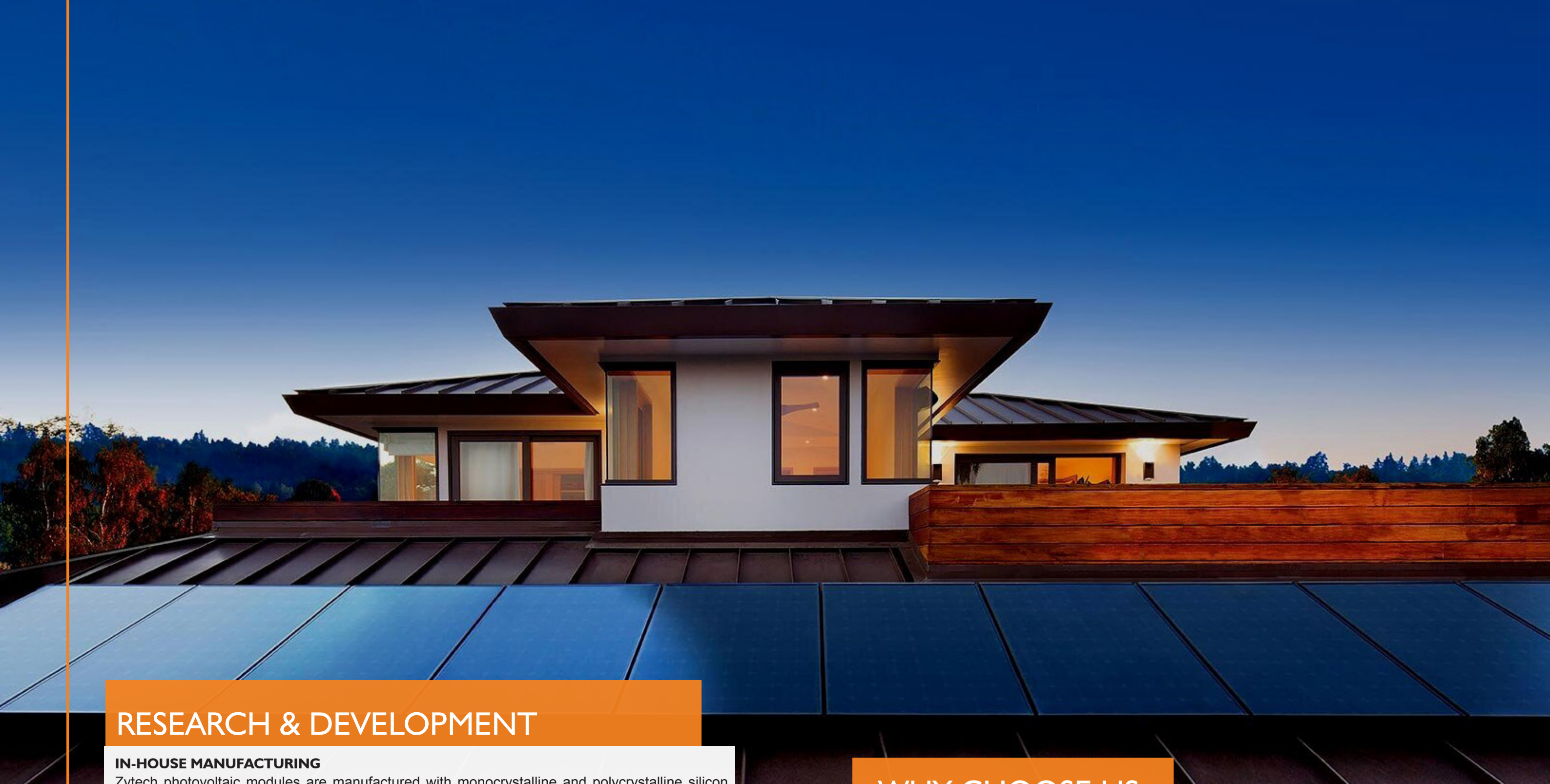
ABOUT US

Zytech Group was founded in 2005 to create a sustainable world as a leading PV SOLAR Manufacturer.

ZYTECH has built a good reputation at home and abroad with top quality products, advanced Solar solution and cheerful after-sales service. ZYTECH devotes itself in researching, developing and manufacturing a full range of Solar products with most cost-effective solution, With clear marketing orientation, sustained technical innovation and internationally -updated management philosophy, We've committed to improving ourselves paying more attention to customer demand, focusing on making people's life more safe and comfortable, enabling them to enjoy new technology and efficient use of resources, you can count on us to provide all possible Solar service. ZYTECH must be a great choice as your reliable long-term partner. Zytech Group has its presence in Spain, France, Germany, Italy, India, Egypt, Hong Kong, Singapore, Taiwan, USA & Mexico.

MISSION AND PHILOSOPHY

We feel motivated by the Kyoto Protocol: we want to contribute to making photovoltaics and solar thermal energy sources of the future. In order to achieve this goal, we need to make these technologies even more cost efficient. By working to continually increase our company's productivity, investing in research at our Research Centre in Germany and in the output of our products, we are successfully on the way to achieving this goal. The Zytech group offers competitive photovoltaic and solar thermal solutions to solve the problems with our sources of energy through a decentralised environmentally friendly energy supply. Tomorrow's modern and fair minded world will no longer be imaginable without solar power technology. The coming generations will set their sights on special types of energy, they should be clean and safe. Our children will not be satisfied by use of energy from fossil fuels of energy. In the coming future, the use of solar energy will have become a normal occurrence. Photovoltaics is one of the energy sources of the future. In this expanding market, we want more than just to grow, we want to increase our market share further.



RESEARCH & DEVELOPMENT

IN-HOUSE MANUFACTURING

Zytech photovoltaic modules are manufactured with monocrystalline and polycrystalline silicon cells on our own production lines in Europe, China and India and are subjected to the most stringent quality controls. The resources devoted to R&D for ongoing product improvement, specialized manpower, state-of-the-art machinery and rigorous quality controls allow us to guarantee a European quality product at the best price. The quality of Zytech modules has been confirmed by the inspection processes performed by GARRIGUES, an internationally renowned company which performs totally independent quality audits on Zytech's standard controls.

Zytech is bankable with most banks thanks to its long experience as PV Solar manufacturer in Europe, since 2005.

- Specialist manpower
- State-of-the-art machinery
- Quality controls and certificates

WHY CHOOSE US

Solar Energy - a Clean Source

No greenhouse gas emissions are released into the atmosphere when you use solar panels to create electricity. And because the sun provides more energy than we'll ever need, electricity from solar power is a very important energy source in the move to clean energy production.

No Fuel to Burn

After solar panels have been installed, operational costs are quite low compared to other forms of power generation. Fuel isn't required, and this means that solar power can create large amounts of electricity without the uncertainty and expense of securing a fuel supply.



OUR COMPETITIVE ADVANTAGES

Experts in project execution

Successful implementation of utility-scale solar power projects demands highly effective project management and planning from commencement up to hand-over to the client. ZYTECH SOLAR is successful because the entire organization is highly focused on project execution.

Engineering expertise

Our experienced in-house engineering resources enable ZYTECH SOLAR to respond flexibly and responsively to project specific requirements. We are highly experienced not only in solar power plant design, but also in engineering solutions for grid interconnections including state-of-the-art electrical substations.

Complex projects

ZYTECH is an international market leader in large scale power generation projects. Our group has an unmatched capability to effectively handle innovative and technically challenging applications including energy storage integration and hybrid power generation.

Global reach

Together with its affiliated group companies, ZYTECH SOLAR has experience or presence on five continents. We are equally at home working in developed markets such as the United Kingdom, as we are in emerging economies in Africa and the Middle East. Our reach extends throughout Europe, the Middle East, Africa and the Americas.

PREMIUMLINE

Electrical Data, STC *	ZT M6-60				
Nominal Max. Power (P _{max})	295W	300W	305W	310W	315W
Open Circuit Voltage (V _{oc})	39.19	39.39	39.49	39.75	39.99
Short Circuit Current (I _{sc})	9.63	9.78	9.86	9.91	9.96
Max. Power Voltage (V _{mpp})	32.03	32.09	32.35	32.57	32.78
Max. Power Current (I _{mpp})	9.21	9.35	9.43	9.52	9.61
Module Efficiency	18.04	18.35	18.70	19.10	19.40
Power Tolerance	±0 ~ +5W				

* Standard Test Conditions (STC): Irradiance of 1000 W/m², Spectrum AM 1.5 and Cell Temperature of 25°C.

Mechanical Data	
Dimensions	1640 x 992 x 40 mm
Weight	18.2 kg
Solar Cell	156.75*156.75mm Perc monocrystalline
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy, original or black
Junction Box	IP65, 3 diodes
Cable	4.0 mm ² , 1000 mm
Connector	MC4 or MC4 compatible
Packaging	26 pcs /pallet, 784 pcs /40' HQ container

Temperature	
Nominal Operating Cell Temperature *	45°C ± 2°C
Temperature Coefficient (P _{max})	-0.39% / °C
Temperature Coefficient (I _{sc})	+0.06% / °C
Temperature Coefficient (V _{oc})	-0.3% / °C

* Nominal Operating Cell Temperature (NOCT): Irradiance of 800 W/m², Ambient temperature of 20°C, Wind Speed of 1 m/s.

Operating Conditions	
Max. System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Max. Series Fuse Rating	15A
Mechanical Load	5400 Pa
Application Classification	Class A
Module Fire Performance	Class C

Electrical Data, STC *	ZT P6-60				
Nominal Max. Power (P _{max})	270W	275W	280W	285W	290W
Open Circuit Voltage (V _{oc})	38.39	38.63	38.84	38.98	39.19
Short Circuit Current (I _{sc})	9.19	9.28	9.34	9.41	9.47
Max. Power Voltage (V _{mpp})	30.85	30.98	31.42	31.64	31.84
Max. Power Current (I _{mpp})	8.77	8.89	8.92	9.01	9.11
Module Efficiency	16.60	16.90	17.20	17.50	17.80
Power Tolerance	±0 ~ +5W				

* Standard Test Conditions (STC): Irradiance of 1000 W/m², Spectrum AM 1.5 and Cell Temperature of 25°C.

Mechanical Data	
Dimensions	1640 x 992 x 40 mm
Weight	18.2 kg
Solar Cell	156.75*156.75mm Polycrystalline
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy, original or black
Junction Box	IP65, 3 diodes
Cable	4.0 mm ² , 1000 mm
Connector	MC4 or MC4 compatible
Packaging	26 pcs /pallet, 784 pcs /40' HQ container

Temperature	
Nominal Operating Cell Temperature *	45°C ± 2°C
Temperature Coefficient (P _{max})	-0.41% / °C
Temperature Coefficient (I _{sc})	+0.058% / °C
Temperature Coefficient (V _{oc})	-0.33% / °C

* Nominal Operating Cell Temperature (NOCT): Irradiance of 800 W/m², Ambient temperature of 20°C, Wind Speed of 1 m/s.

Operating Conditions	
Max. System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Max. Series Fuse Rating	15A
Mechanical Load	5400 Pa
Application Classification	Class A
Module Fire Performance	Class C

Electrical Data, STC *	ZT M6-72				
Nominal Max. Power (P _{max})	360W	365W	370W	375W	380W
Open Circuit Voltage (V _{oc})	47.44	47.67	47.81	47.93	48.06
Short Circuit Current (I _{sc})	9.77	9.84	9.89	9.95	10.11
Max. Power Voltage (V _{mpp})	39.01	39.38	39.40	39.45	39.55
Max. Power Current (I _{mpp})	9.23	9.27	9.41	9.51	9.61
Module Efficiency	18.60	18.80	19.10	19.30	19.60
Power Tolerance	±0 ~ +5W				

* Standard Test Conditions (STC): Irradiance of 1000 W/m², Spectrum AM 1.5 and Cell Temperature of 25°C.

Mechanical Data	
Dimensions	1956 x 992 x 40 mm
Weight	23 kg
Solar Cell	156.75*156.75mm Perc monocrystalline
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy, original or black
Junction Box	IP65, 3 diodes
Cable	4.0 mm ² , 1000 mm
Connector	MC4 or MC4 compatible
Packaging	26 pcs /pallet, 672 pcs /40' HQ container

Temperature	
Nominal Operating Cell Temperature *	45°C ± 2°C
Temperature Coefficient (P _{max})	-0.41% / °C
Temperature Coefficient (I _{sc})	+0.059% / °C
Temperature Coefficient (V _{oc})	-0.33% / °C

* Nominal Operating Cell Temperature (NOCT): Irradiance of 800 W/m², Ambient temperature of 20°C, Wind Speed of 1 m/s.

Operating Conditions	
Max. System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Max. Series Fuse Rating	15A
Mechanical Load	5400 Pa
Application Classification	Class A
Module Fire Performance	Class C

Electrical Data, STC *	ZT P6-72				
Nominal Max. Power (P _{max})	330W	335W	340W	345W	350W
Open Circuit Voltage (V _{oc})	46.80	47.09	47.45	47.66	47.95
Short Circuit Current (I _{sc})	9.08	9.12	9.18	9.21	9.26
Max. Power Voltage (V _{mpp})	39.02	39.24	39.60	39.82	40.25
Max. Power Current (I _{mpp})	8.52	8.56	8.62	8.66	8.75
Module Efficiency	16.99	17.23	17.47	17.75	18.10
Power Tolerance	±0 ~ +5W				

* Standard Test Conditions (STC): Irradiance of 1000 W/m², Spectrum AM 1.5 and Cell Temperature of 25°C.

Mechanical Data	
Dimensions	1956 x 992 x 40 mm
Weight	23 kg
Solar Cell	156.75*156.75mm Polycrystalline
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy, original or black
Junction Box	IP65, 3 diodes
Cable	4.0 mm ² , 1000 mm
Connector	MC4 or MC4 compatible
Packaging	26 pcs /pallet, 672 pcs /40' HQ container

Temperature	
Nominal Operating Cell Temperature *	45°C ± 2°C
Temperature Coefficient (P _{max})	-0.41% / °C
Temperature Coefficient (I _{sc})	+0.058% / °C
Temperature Coefficient (V _{oc})	-0.33% / °C

* Nominal Operating Cell Temperature (NOCT): Irradiance of 800 W/m², Ambient temperature of 20°C, Wind Speed of 1 m/s.

Operating Conditions	
Max. System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Max. Series Fuse Rating	15A
Mechanical Load	5400 Pa
Application Classification	Class A
Module Fire Performance	Class C



PHOTOVOLTAICS MODULES: HIGH QUALITY, TOP PERFORMANCE & RELIABLE

Zytech Solar offers Mono-crystalline, Polycrystalline & Perc photovoltaic modules. The silicon cells are procured from the worlds top suppliers. The Solar Modules Ranges is from 2W to 600W in Mono-crystalline/ Perc and 2W to 500W in Poly-crystalline/ Perc. The highest levels of efficiency, reliability and stability are given by cells made of poly- and Mono-crystalline silicons. The Zytech Solar photovoltaic modules are characterised by their efficiency, reliability and robustness. We have adapted to different markets with maximum flexibility in the powers, for all types of projects: ON-grid-connected installations: Solar photovoltaic farms; photovoltaic installations on industrial, commercial, agricultural and livestock roofs; domestic installations; building integrated installations. OFF-grid installations: Perfect solution in almost any location, whether on boats, land vehicles, rural areas, the desert or mountain areas.

ENGINEERING, PROCUREMENT, CONSTRUCTION



In the field of EPC, we meet our strict quality standards to ensure highest performance in execution and construction of the project as well as pricing to fulfil the planned project calculations. Our international partners and suppliers support us dealing with all technical details, planning and procuring the system components, from Zytech Modules to Tier I Inverter Supplier and Mounting structures and Electrical. With its engineering team, Zytech makes sure that the plant is constructed according to comprehensive quality management practices, as well as extensive site documentation requirements for a secure technical operation. Ground Inspection, Feasibility, Execution and to Generation of Power, Testing the installation in order to comply with all performance requirements and agreed deadlines for commissioning.

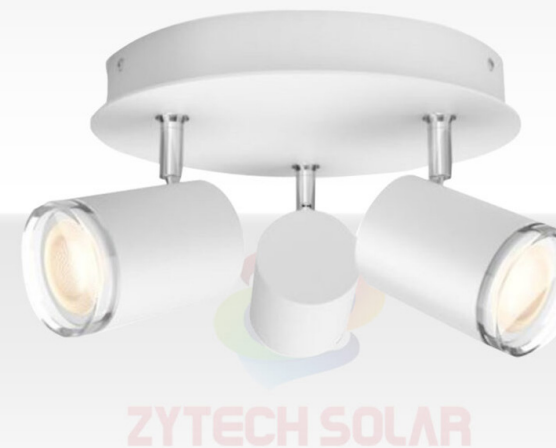
INTEGRATED SOLAR STREET LIGHTING

Solar powered LED street light offer a zero running costs solution for public and private

All In One Integrated Solar LED Street Light is a solar powered lighting, consisting of solar panel, lithium battery and intelligent controller. Built-in solar panel, battery and controller. All In One Integrated Solar Street Lighting is high cost effective with better lighting performance, good price and lower initial investment, and that is widely used for municipal street light projects and public outdoor parking lot light projects.

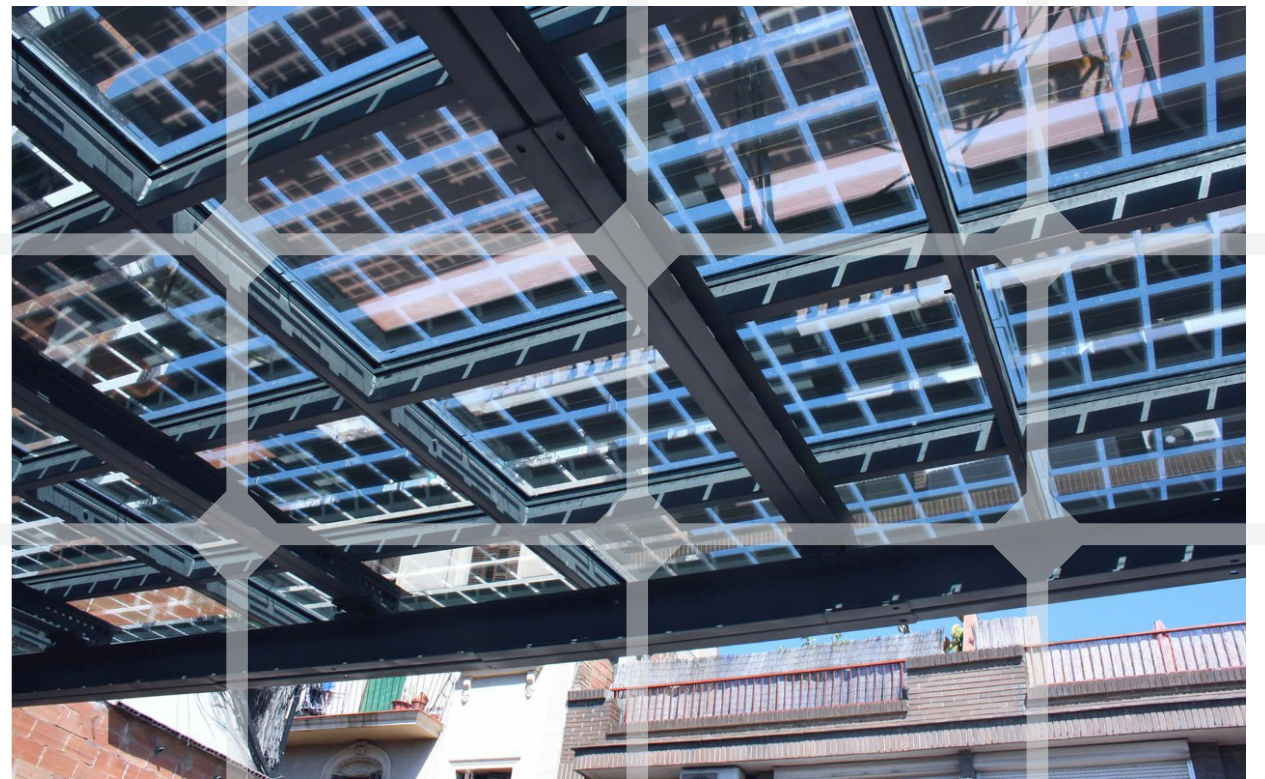


ZYTECH LED



Zytech LED with Headquarters in Spain is leading the LED lighting revolution and making energy-wasting traditional lighting technologies obsolete through the use of energy-efficient, environmentally friendly LED lighting. Zytech Led is a market-leading innovator of lighting-class LED, LED lighting and a wide range of products. Zytech Led belongs to Zytech Group, a group of companies committed in renewable energy, energy efficiency and sustainable transport. We design and manufacture competitive high-quality Led lighting systems. LED News Korea has published a World Map where Zytech Led is one of the Top 10 European manufacturers of LED Lighting products.

REFERENCE PROJECTS



Taiwan

Agongdian Reservoir, Kaohsiung



Capacity : 2.32MWp

Xizhou Township, ChangHua



Capacity : 465kWp

NCTU, Tainan



Capacity : 456kWp

Taiwan

Xinfeng Township, HsinChu County



Capacity : 1.99MWp

Annan District, Tainan



Capacity : 398kWp

Caotun Township, Nantou



Capacity : 99kWp

Xinfeng Township, HsinChu



Capacity : 99kWp

Zhushan Township, Nantou



Capacity : 99kWp

Germany

Werben



Capacity : 1.03MWp

Zerre

Rettenberg



Capacity : 640kWp



Capacity : 458kWp

Denmark

Viden Djurs



Capacity : 200kWp

Rodreko

Orestad Skole



Capacity : 49.2kWp



Capacity : 33.3kWp

USA

Pauma Valley , San Diego, California



Capacity : 54.6kWp

Gloriatta Bay Inn, Coronado, California

San Diego, California



Capacity : 48kWp



Capacity : 12.6kWp

India

Greater Noida

Telangana



Capacity : 1.2MWp



Capacity : 1MWp



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