



ONE OF THE
LEADING
SOLAR MODULES
MANUFACTURERS
EPC
SOLUTION
COMPANY

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ABOUT US

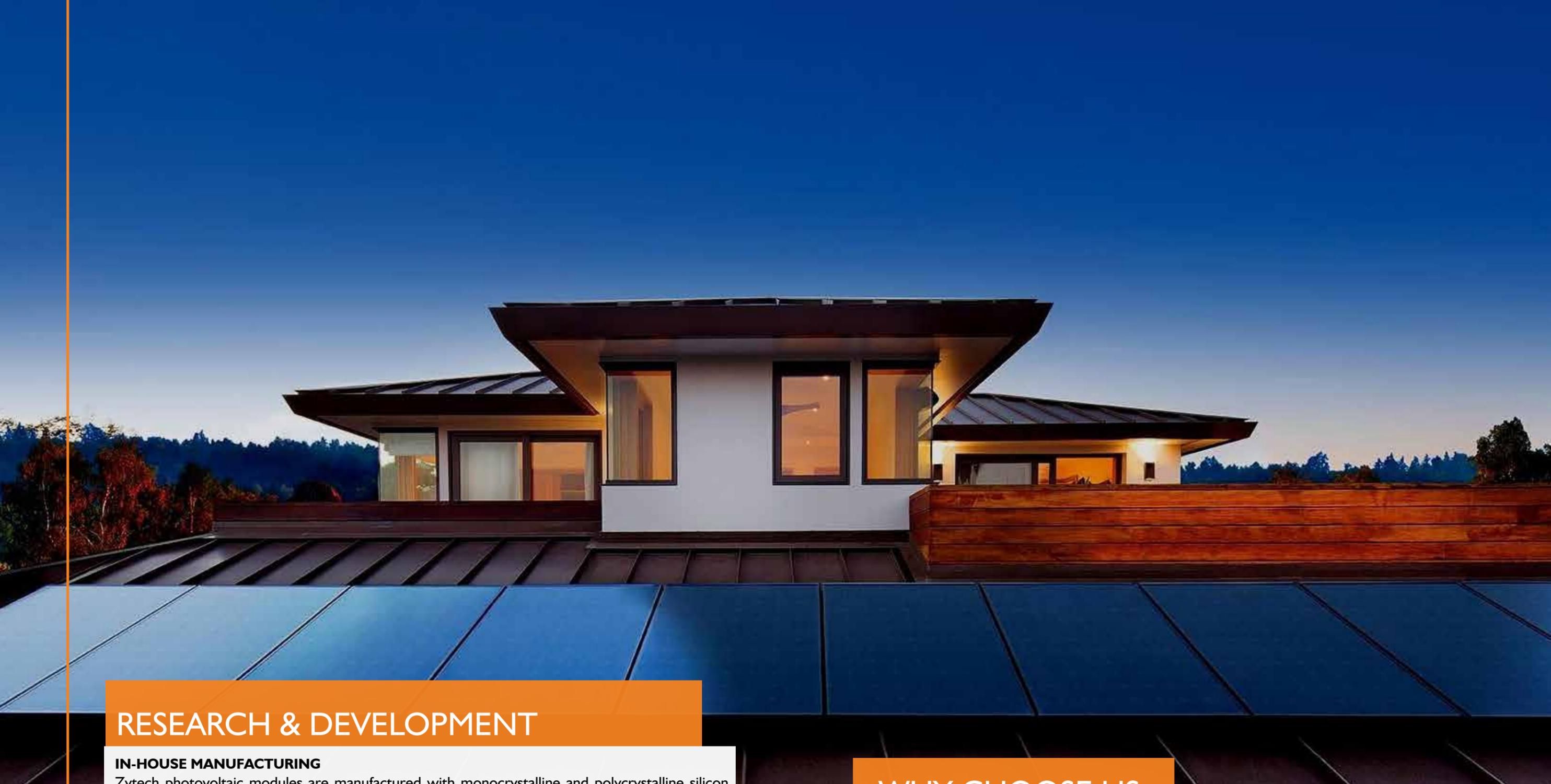
Zytech Group Founded in 2005, ZYTECH India Founded in 2014 ISO Certified with its other certification IEC, MNRE, TUV, ISO, UL approved to create a sustainable world as a leading PV SOLAR Manufacturer.

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 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.

SILVER SERIES

Model : POLY & PERC		ZT310	ZT315	ZT320	ZT325	ZT330	ZT335	ZT340	ZT345	ZT350
ELECTRICAL CHARACTERISTICS	Nominal Max. Power (W)	310W	315W	320W	325W	330W	335W	340W	345W	350W
	Open Circuit Voltage (Voc)	44.86	45.29	45.72	46.15	46.58	47.01	47.01	47.44	47.87
	Short Circuit Current (Isc)	8.62	8.68	8.74	8.80	8.86	8.92	8.98	9.04	9.10
	Max. Power Voltage (Vmpp)	37.95	38.16	38.52	38.88	38.95	39.02	39.88	39.95	40.02
	Max. Power Current (Impp)	7.93	8.26	8.31	8.36	8.48	8.60	8.53	8.65	8.77
	Module Efficiency %	15.98	16.23	16.49	16.75	17.01	17.26	17.52	17.78	18.04
Power Tolerance		±5%								
TEMPERATURE	Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C								
	Temperature Coefficient	-0.41% / °C								
	Temperature Coefficient	+0.058% / °C								
	Temperature Coefficient	-0.33% / °C								
	Module Dimensions	"1956 x 992 x 40 mm"								
	Weight (Kg)	23 kg								
MECHANICAL DATA	Cell Deminsions (Mm)	156.75 x 156.75								
	Cell Type	Poly Crystalline Silicon (Perc)								
	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 ,1000/1200mm								
	Connector	MC4 or MC4 compatible								
	Certification	IEC, TUV, CE, KIWA, SALT MIST, ISO, C1D2, UL1703								
	Packing	26pcs / Pallet, 672pcs / 40' HQ Container								
	Max. System Voltage	DC 1000V								
OPERATING CONDITIONS	Operating Temperature	40°C ~ +85°C								
	Max. Series Fuse Rating	15A								
	Mechanical Load	5400 Pa								
	Application Classification	Class A								
	Module Fire Performance	Class C								
	Product Warranty	12 years Limited Warranty for any Manufacturing Defect								
	Performance Warranty	30 years Limited Power Performance with degradation of 0.85% from 2nd year onwards								

GOLDEN SERIES

Model : MONO PERC		ZT360	ZT365	ZT370	ZT375	ZT380	ZT385	ZT390	ZT395	ZT400
ELECTRICAL CHARACTERISTICS	Nominal Max. Power (W)	360W	365W	370W	375W	380W	385W	390W	395W	400W
	Open Circuit Voltage (Voc)	47.44	47.67	47.89	48.12	48.31	48.5	48.69	48.89	49.09
	Short Circuit Current (Isc)	9.77	9.84	9.89	9.95	10.03	10.09	10.16	10.24	10.29
	Max. Power Voltage (Vmpp)	39.01	39.38	39.40	39.45	39.55	39.75	40.61	40.85	40.99
	Max. Power Current (Impp)	9.23	9.27	9.41	9.51	9.61	9.70	9.61	9.69	9.76
	Module Efficiency %	17.82	18.07	18.32	18.56	18.81	19.06	19.31	19.55	19.80
Power Tolerance		±5%								
TEMPERATURE	Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C								
	Temperature Coefficient	-0.41% / °C								
	Temperature Coefficient	"+0.059% / °C"								
	Temperature Coefficient	-0.33% / °C								
	Module Dimensions	2010x1005x35								
	Weight (Kg)	23 kg								
MECHANICAL DATA	Cell Deminsions (Mm)	156.75x156.75								
	Cell Type	Perc Mono-Crystalline								
	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								
	Certification	IEC, TUV, CE, KIWA, SALT MIST, ISO, C1D2, UL1703								
	Packing	26 pcs / pallet, 672 pcs /40' HQ container								
	Max. System Voltage	DC 1000V								
OPERATING CONDITIONS	Operating Temperature	40°C ~ +85°C								
	Max. Series Fuse Rating	15A								
	Mechanical Load	5400 Pa								
	Application Classification	Class A								
	Module Fire Performance	Class C								
	Product Warranty	12 years Limited Warranty for any Manufacturing Defect								
	Performance Warranty	30 years Limited Power Performance with degradation of 0.85% from 2nd year onwards								

PLATINUM SERIES

Model : MONO PERC	ZT410	ZT415	ZT420	ZT425	ZT430	ZT435	ZT440	ZT445	ZT450	
ELECTRICAL CHARACTERISTICS	Nominal Max. Power (W)	410W	415W	420W	425W	430W	435W	440W	445W	450W
	Open Circuit Voltage (Voc)	48.00	48.18	48.36	48.54	48.70	48.86	49.02	49.18	49.34
	Short Circuit Current (Isc)	10.81	10.94	11.07	11.19	11.32	11.46	11.59	11.71	11.84
	Max. Power Voltage (Vmpp)	40.20	40.27	40.34	40.41	40.48	40.56	40.62	40.71	40.77
	Max. Power Current (Impp)	10.20	10.31	10.42	10.52	10.63	10.73	10.84	10.93	11.04
	Module Efficiency %	19.85	20.09	20.33	20.58	20.82	21.06	21.30	21.54	21.79
	Power Tolerance	±5%								
TEMPERATURE	Nominal Operating Cell	48±2°C								
	Temperature (NOCT)	-0.42%/°C								
	Temperature Coefficient	0.05%/K								
	Temperature Coefficient	-0.33%/°C								
	Temperature Coefficient	2025X1020X35 mm								
	Module Dimensions	22.5 Kgs								
MECHANICAL DATA	Weight (Kg)	161.7mm x 161.7mm								
	Cell Deminsions (Mm)	Perc Mono-Crystalline								
	Cell Type	3.2mm tempered glass with AR coating								
	Front Cover	Anodized aluminum alloy, original or black								
	Frame	IP 68 rated , 3 diodes								
	Junction Box	"4.0mm								
	Cable	asymmetrical lengths(-)1000mm c& (+)1000mm"								
	Connector	MC4 or MC4 compatible								
	Certification	IEC, TUV, CE, KIWA, SALT MIST, ISO, C1D2, UL1703								
	Packing	26 pcs / pallet, 672 pcs /40' HQ container								
OPERATING CONDITIONS	Max. System Voltage	1500VDC								
	Operating Temperature	40°C~ +85°C								
	Max. Series Fuse Rating	15A								
	Mechanical Load	5400 Pa								
	Application Classification	Class A								
	Module Fire Performance	Class C								
	Product Warranty	12 years Limited Warranty for any Manufacturing Defect								
Performance Warranty	30 years Limited Power Performance with degradation of 0.85% from 2nd year onwards									



OFF-GRID MODULES

Specification 5-100W

Model	GSP6-36-5W	GSP6-36-10W	GSP6-36-20W	GSP6-36-30W	GSP6-36-40W	GSP6-36-50W	GSP6-36-60W	GSP6-36-70W	GSP6-36-80W	GSP6-36-90W	GSP6-36-100W	
ELECTRICAL CHARACTERISTICS	Nominal Max. Power (W)	5	10	20	30	40	50	60	70	80	90	100
	Open Circuit Voltage (Voc)	21.80	21.80	22	22.1	22	22.3	22	22	22	22.3	22.3
	Max. Power Voltage (Vmpp)	18.10	18.10	18.2	18.2	18.2	18.9	18.2	18.2	18.2	18.9	18.9
	Short Circuit Current (Isc)	0.311	0.622	1.2	1.75	2.37	2.8	3.56	4.15	4.75	5.35	5.6
	Max. Power Current (Impp)	0.276	0.552	1.1	1.65	2.2	2.65	3.29	3.85	4.4	4.76	5.29
	Power Tolerance (%)	0 ~ +3%										
MECHANICAL CHARACTERISTICS	Module Dimensions (Lxwxh, Mm)	240x215x17	370x240x17	490x350x25	670x360x30	670x480x30	670x570x30	670x650x30	770x670x35	885x670x35	965x670x35	1030x670x35
	Cell Dimensions (Mm)	52x17.33	52x34.66	156x22.29	156x33.43	156x44.57	156x55.71	156x64.55	156x78	156x91.45	156x100.29	156x107
	Cell Type	Poly crystalline silicon										
	Cell String	9x4		18x2		9x4						
	Front Glass	3.2mm tempered glass										
	Cell Encapsulation	EVA (Ethylene-Vinyl Acetate)										
	Frame	Anodized aluminum frame, original or black										
	Back Cover	White or black fluorochemical backsheet										
	Junction Box	IP65										
	Weight (Kg)	1.2	1.4	1.6	3.2	4.2	4.7	5.7	6.7	7.6	8	9
	Noct	45+/-2°C										
Temperature Coefficient	Pmax: -0.41 %/°C, Voc: -0.331 %/°C, Isc: 0.059 %/°C											
Operating Temperature Range	-40°C ~ +80°C											
Certification	C1D2, UL1703											
Product Warranty	5 years											
Performance Warranty	10 years limited power production warranty											

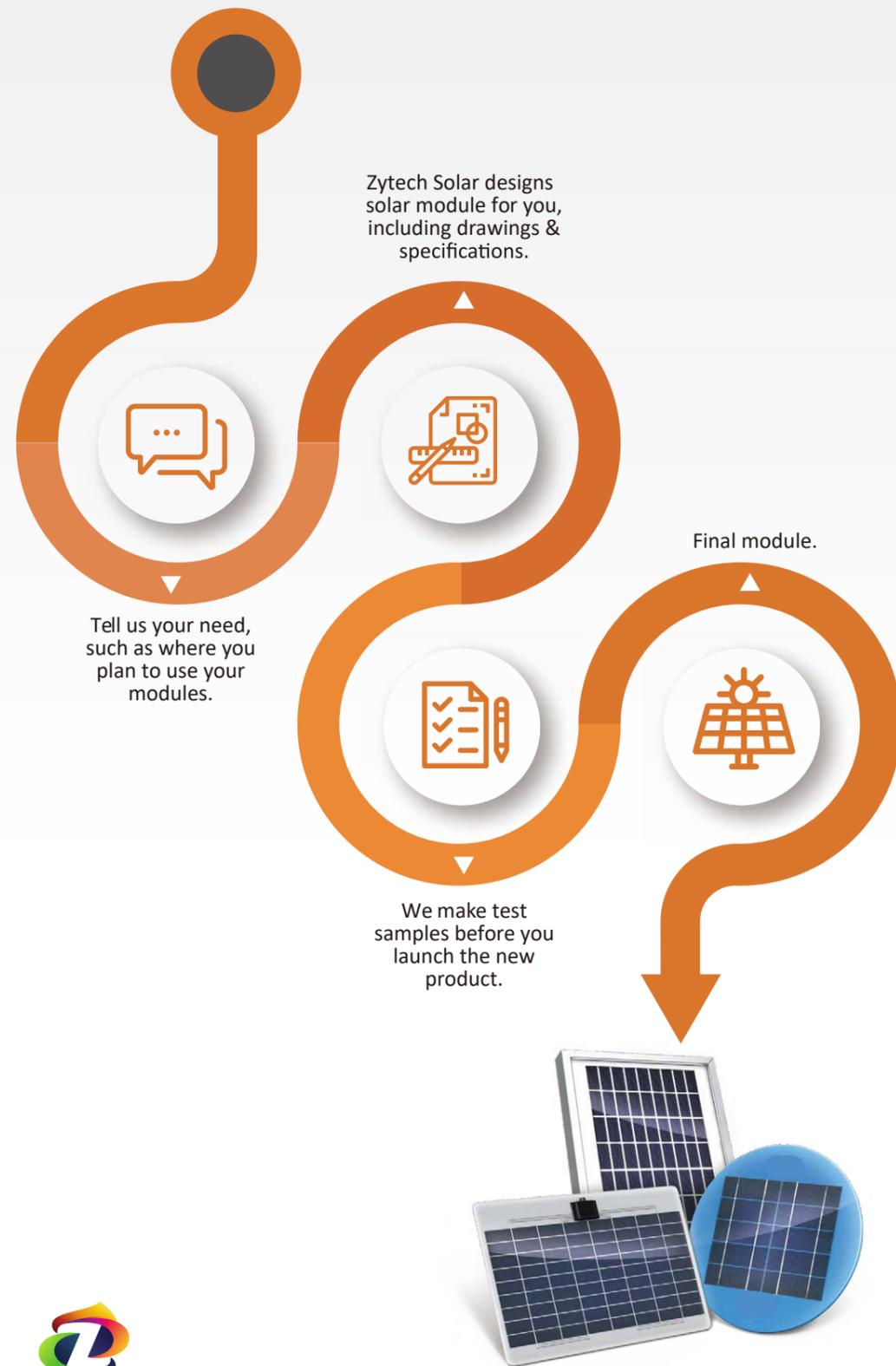
At STC (1000W/m², 25°C, 1.5AM)
For more details or other specifications not listed above, please feel free to contact us.

Specification 150-210W

Model	GSP6-36-150W	GSP6-36-160W	GSM6-36-180W	GSM5-72-200W	GSM5-72-205W	GSM5-72-210W	
ELECTRICAL CHARACTERISTICS	Nominal Max. Power (W)	150	160	180	200	205	210
	Open Circuit Voltage (Voc)	23.04	23.25	23.65	45.5	45.58	45.72
	Max. Power Voltage (Vmpp)	19.1	19.1	20.19	38.3	38.39	38.52
	Short Circuit Current (Isc)	8.78	8.96	9.47	5.59	5.67	5.77
	Max. Power Current (Impp)	8.12	8.38	8.93	5.24	5.34	5.45
	Power Tolerance (%)	0 ~ +3%					
MECHANICAL CHARACTERISTICS	Module Dimensions (Lxwxh, Mm)	1470x667x35	1470x667x35	1470x667x35	1580x808x35	1580x808x35	1580x808x35
	Cell Dimensions (Mm)	156x156	156x156	156x156	125x125	125x125	125x125
	Cell Type	Poly crystalline silicon			Mono crystalline silicon		
	Cell String	9x4			12x6		
	Front Glass	3.2mm tempered glass					
	Cell Encapsulation	EVA (Ethylene-Vinyl Acetate)					
	Frame	Anodized aluminum frame, original or black					
	Back Cover	White or black fluorochemical backsheet					
	Junction Box	IP65					
	Weight (Kg)	12.7	12.7	12.7	14	14	14
	Noct	45+/-2°C					
Temperature Coefficient	Pmax: -0.41 %/°C, Voc: -0.331 %/°C, Isc: 0.059 %/°C						
Operating Temperature Range	-40°C ~ +80°C						
Certification	C1D2, UL1703						
Product Warranty	5 years						
Performance Warranty	10 years limited power production warranty						

At STC (1000W/m², 25°C, 1.5AM)
For more details or other specifications not listed above, please feel free to contact us.

SPECIAL MODULES TO MEET YOUR REQUIREMENTS.



ENERGY STORAGE SYSTEMS



Our Energy Storage System

Zytech Solar is a leading – and pioneering – energy storage system provider, presenting the latest technology in energy storage systems, with applications for home storage, and for commercial and industrial purposes. We can provide you with the full range of services needed for solar and storage projects – and not many solar companies have such expertise. If you need a customized energy storage solution, we are ready to help you. We can design solutions to meet your requirements for any application.

Our energy storage system will further help you to reduce energy bills and enhance the value of your solar investment. Charging your battery with solar system during daylight and consuming energy generated by battery at night will even cut your energy bills. Combining solar and storage systems is the ideal trend for your energy profile.

How does it work?

With solar system	The storage system stores excess energy generated by your solar system during the daytime. At night, the stored energy will be released to power your home or facility.	Without solar system	At night, while the electricity rate is low, the storage system is charged by the grid. During the daytime, while the rate is high, you consume the energy stored by battery.	Hybrid	Solar energy is used as the top priority, and if that isn't enough energy, the supply will be switched to the public grid.
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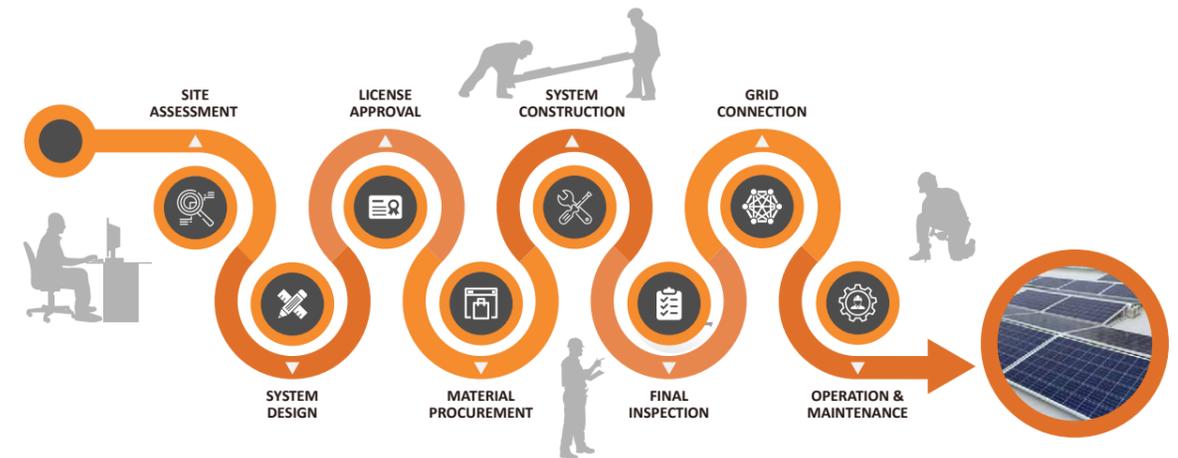
1.2kWh Li-ion Battery Pack Unit

SPECIFICATION	
Key Application	Home Energy Storage System/Industrial Energy Storage System/PV system
Voltage	48V
Nominal Capacity	26Ah
Cycle Life	>60% initial capacity with 2000 cycles at 25°C degree ambient (0.5C charge/0.5C discharge)
Operation Temperature	0°C~50°C (charge)
	-20°C~60°C (discharge)
WDH	130*230.5*362(mm)
Weight	<12.5kg
Max.Discharge Current	26A
Output Power	1.2kWh/unit
Protection	Over-charge Voltage
	Over-discharge Voltage
	Over-discharge Current
	Over Temperature for Discharge
Ingress Protection	IP65
Communication Interface	CANBus



ZYTECH SOLAR

SYSTEM DEVELOPMENT



We provide turnkey solutions to our customers, from project management and design & engineering, to construction, operations, and maintenance. Zytech Solar has many years of experience with commercial rooftop and ground mounted systems and emphasizes quality and reliability for its systems. We use only high efficiency modules with our own solar module design to ensure that the system can run for 20 years. With our cumulative experience, we guarantee efficient installation of high quality systems.

Our EPC services

engineering, procurement, and construction



Consultation, planning, and design

- Assess site, analyze local conditions and feasibility of building PV systems
- Determine the most suitable capacity for the system
- Produce technical design and output power generation forecast
- Apply for all necessary documents and licenses
- Project cost calculation and detailed construction plan



Construction and installation

- Experienced team of trained electricians and engineers
- Reliable and high-quality installation within guaranteed completion time
- Purchase all the necessary components from quality suppliers to fulfill the highest quality requirements



Operation and maintenance

- Remote monitoring of output power generated by the system
- Prompt reaction to any actual or potential emergency
- Periodic inspection

Why choose Zytech Solar as your partner?



Experienced team

More than 20 years of solar industry experience around the world. Quality and professionalism as company's basic belief.



Sound financial status

Due to our good financial status, we can guarantee that our modules will last for 20 years and that your system will last for 5 years.



We're customer oriented

We always put our customers first. You can be sure that we'll design the most suitable systems for you.



Strong focus on quality

Materials and equipment only from 1st tier suppliers are used in the projects.



Design and construction ability

We design our PV systems with the highest performance standards and with state-of-the-art construction techniques.



Projects around the world

We have built PV systems in the EU, India, Malaysia, Japan, and Taiwan and are able to construct PV projects anywhere.



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 440W in Mono-crystalline/Perc and 2W to 350 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 1 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.

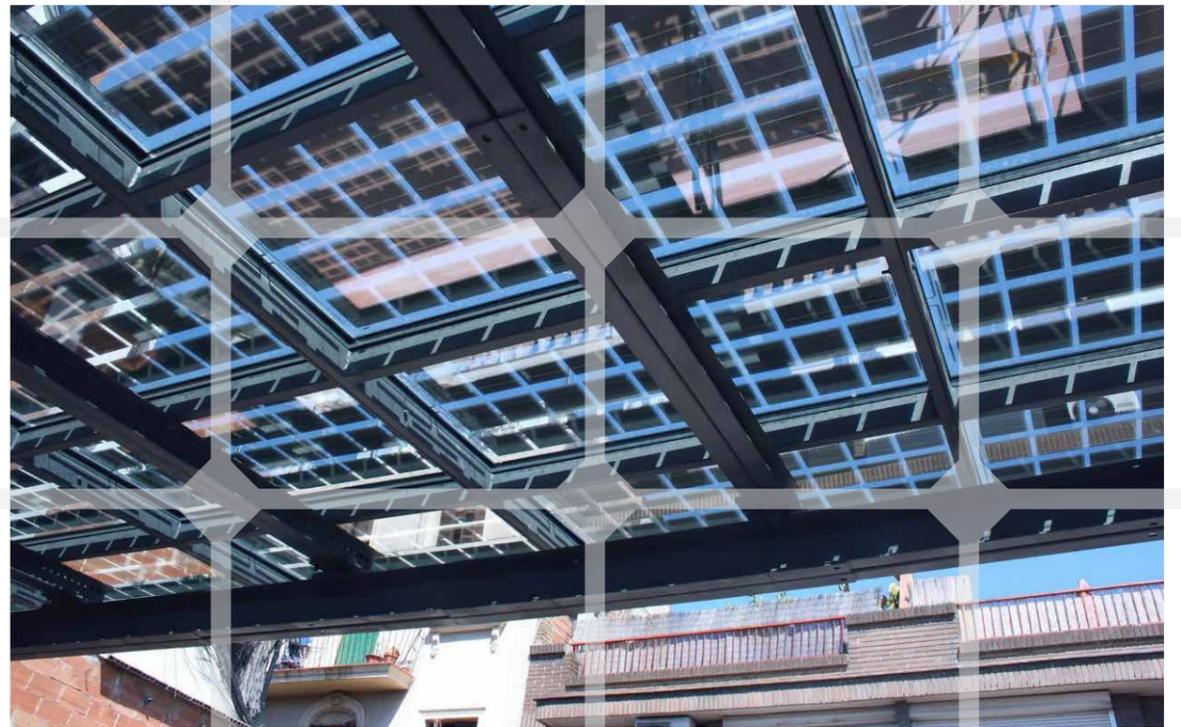


ZYTECH LED



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



ZYTECH SOLAR

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



ZYTECH SOLAR



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