

Model Type: YL235P-29b/2/1650x1030 SERIES
210~235Wp

Specification Kit



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YINGLI SOLAR



Website: <http://www.yinglisolar.com/>

Yingli is one of the leading vertically integrated photovoltaic (PV) product manufacturers in China.

Yingli, through its principal operating subsidiary in China-Baoding Tianwei Yingli New Energy Resources Co., Ltd. designs, manufactures and sells PV modules and designs, assembles, sells and installs PV systems that are connected to electricity transmission grids or those that operate on a stand-alone basis.

Yingli is currently one of the largest manufacturers of PV products in China as measured by annual production capacity, with an annual production capacity of 400 megawatts of polysilicon ingots and wafers, 400 megawatts of PV cells and 400 megawatts of PV modules, as of September 2008.

Yingli is one of the few large-scale PV companies in China with a vertically integrated business model. Its products and services substantially cover the entire PV industry value chain from the manufacture of multicrystalline polysilicon ingots and wafers, PV cells, PV modules and PV systems to PV system installation. Its end-products include PV modules and PV systems in different sizes and power outputs. Yingli sells PV modules under its own brand name, Yingli Solar, to PV system integrators and distributors located in various markets around the world, including Germany, Spain, Italy, South Korea, Belgium, France, China and the United States.



Parent companies

China-Baoding Tianwei Yingli New Energy Resources Co., Ltd.

Baoding Tianwei Yingli New Energy Resources Co., Ltd. engages in the design and manufacture of integrated photovoltaic products. Its products and services include multicrystalline polysilicon ingots and wafers, photovoltaic (PV) cells, PV modules, and PV systems. It assembles and installs on-grid and off-grid PV systems for lighting systems, mobile communication base stations, and residential applications.

Baoding Tianwei Yingli New Energy Resources Co., Ltd., through its subsidiaries, engages in the research and development, and marketing of solar energy products in Tibet; and develops PV applications in China. It distributes products in Germany, China, Spain, Austria, the Netherlands, and United States. The company was founded in 1998 and is based in Baoding, China. Baoding Tianwei Yingli New Energy Resources Co., Ltd. operates as a subsidiary of Yingli Green Energy Holding Co. Ltd.



Power Your Life

MARKET INFORMATION

Updated April 9, 2008
 US\$ 10.48-US\$ 41.50
 Average Volume: 4.28 mm

Basic Shares Outstanding:
 126,923,609 shares

INVESTOR FACT SHEET 2008 (NYSE: YGE)

www.yinglisolar.com

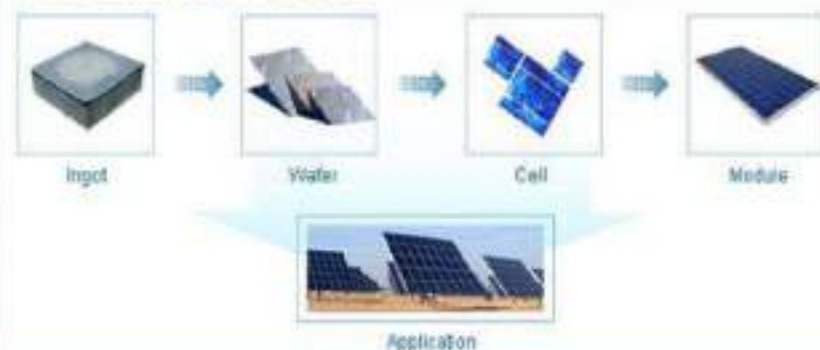
Company Profile

Yingli Green Energy Holding Company Limited ("Yingli Green Energy") is one of the world's leading vertically integrated photovoltaic ("PV") product manufacturers. Through the Company's principal operating subsidiary in China, Baoding Tianwei Yingli New Energy Resources Co., Ltd., Yingli Green Energy designs, manufactures and sells PV modules and designs, assembles, sells and installs PV systems that are connected to an electricity transmission grid or those that operate on a stand-alone basis. With 200 MW of total annual production capacity in each of polysilicon ingots and wafers, PV cells and PV modules, Yingli Green Energy is currently one of the largest manufacturers of PV products in the world. Yingli Green Energy sells PV modules under its own brand name, Yingli Solar, to PV system integrators and distributors located in various markets around the world, including Germany, Spain, Italy, China and the United States.

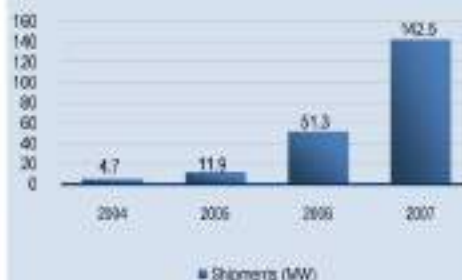
Financial Highlights (In thousands, except for per share data)

In RMB 000	2004	2005	2006	2007
Net Revenues	120,483	361,794	1,638,781	4,059,323
Gross Profit	25,180	108,190	452,298	956,840
Operating Income	13,744	83,675	366,919	679,543
Net Income	6,089	65,954	216,240	389,020
Diluted EPS	-	-	-	2.89

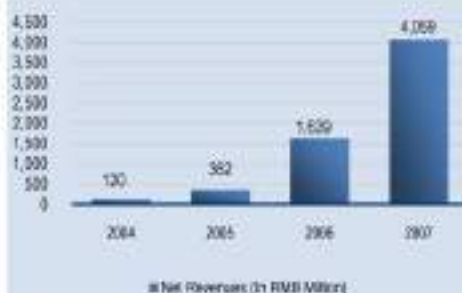
Value Chain and Products



Shipments (MW)



Net Revenues (In RMB mm)



Capacity Expansion (MW)



As one of the world's leading vertically integrated PV product manufacturers, Yingli Green Energy controls the entire production process and optimizes each individual component that goes into making PV modules. From the latest generation technology used in our wafer and cell manufacturing process, to the superior quality components used in module assembly, Yingli Green Energy is committed to delivering top quality modules. We produce a wide variety of module types that are used in on-grid systems, off-grid systems and other configurations.

High-Profile Projects

Yingli Green Energy has been fostering and improving the existing relationships with established PV system integrators in Europe by participating in their large system integration and installation projects, and building up its capabilities to undertake PV system projects in collaboration with PV system integrators and installers in Europe and United States. The Company believes that its strong manufacturing capacity for upstream PV products, such as PV cells and PV modules, provides significant advantages to compete in the downstream market of PV system sales and installations.



Munich Grid-Connected System (Germany)



Kaiserslautern Soccer Stadium PV Project (Germany)



Navarra Grid-Connected System (Spain)



Grid-Connected system (Portugal)

Investment Highlights

- One of the world's leading vertically integrated PV product manufacturers
- Growing brand recognition and solid customer base
- Technological excellence throughout the entire value chain
- Cost-effective and efficient manufacturing process
- Management team with extensive industry expertise

Main Analyst Coverage

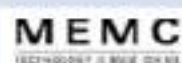
Company	Analyst
Collins Stewart	Daniel Ries
Goldman Sachs & Co.	Cheryl Tang
Merrill Lynch	Lu Yeung Joseph Jacobelli
Morgan Stanley	Shawn Kim
Oppenheimer & Co.	Sam Dubinsky
Piper Jaffray & Co.	Jessie W. Pichel Preetesh U. Munshi Judy C. Tzeng
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Leading Suppliers



Top Tier Customers



Main Equipment Suppliers



YL235P-29b/2/1650x1030 SERIES

YL235P-29b/2 . YL230P-29b/2 . YL225P-29b/2
YL220P-29b/2 . YL215P-29b/2 . YL210P-29b/2



* In compliance with our Warranty Terms and Conditions

ABOUT YINGLI SOLAR

Yingli Solar is a vertically integrated manufacturer of solar photovoltaic modules. Under one roof we manufacture our ingots, wafers, cells and modules. This ensures that we can tightly control our material and production quality, offering our customers leading product durability and sustainable performance backed by our 25 year limited power warranty*.

PERFORMANCE

- » High efficiency, polycrystalline solar cells with high transmission and textured glass delivering a module series efficiency of up to 13.8%, minimising installation costs and maximising the kWh output of your system per unit area.
- » Power tolerance of +/-3% minimising PV system mismatch losses.

QUALITY & RELIABILITY

- » Robust, corrosion resistant aluminium frame independently tested to withstand wind loads of 2.4KPa ensuring a stable mechanical life for your modules.
- » Take confidence in our modules with a 5 year limited product warranty and a 25 year limited power warranty*.
- » Modules protected by box during transportation and with 20 modules in a box on-site waste is minimised.
- » Modules independently tested to ensure conformance with certification and regulatory standards.
- » Manufacturing facility certified to ISO9001 Quality Management System.

WARRANTIES

5-year limited product warranty*
Limited power warranty*: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output

QUALIFICATIONS AND CERTIFICATES

IEC61215, IEC61730, ISO9001



YL235P-29b/2/1650x1030 SERIES

ELECTRICAL PARAMETERS

Electrical parameters at STC (1000 W/m², 25 °C, AM1.5 according to EN 60904-3)

Module type	YL235-29b/2	YL230P-29b/2	YL225P-29b/2	YL220P-29b/2	YL215P-29b/2	YL210P-29b/2
Power output [W]	235.0	230.0	225.0	220.0	215.0	210.0
Power output tolerances [%]	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3
Module Efficiency [%]	13.8	13.5	13.2	12.9	12.7	12.4
Voltage at P _{max} , V _{mp} [V]	29.0	29.5	29.5	29.0	29.0	28.5
Current at P _{max} , I _{mp} [A]	7.97	7.80	7.63	7.59	7.41	7.37
Open circuit voltage V _{oc} [V]	37.0	37.0	36.5	36.5	36.0	36.0
Short circuit current I _{sc} [A]	8.54	8.40	8.28	8.15	8.10	7.95
Max. system Voltage [V]	1,000 VDC					

Parameters of the thermal characteristics

NOCT (Nominal Operating Cell Temperature)	[°C]	46 +/- 2
Temperature coefficient of the short circuit current I _{sc}	[%/K]	+ 0.06
Temperature coefficient of the open circuit voltage V _{oc}	[%/K]	- 0.37
Temperature coefficient of the MPP power P _{mp}	[%/K]	- 0.45

MECHANICAL PARAMETERS

Dimensions (length [mm]/width [mm]/thickness [mm])	1650 / 1030 / 50
Thickness with junction box [mm]	50
Weight [kg]	29.6
Junction box (manufacturer/protection degree/number of diodes)	CIGI / IP65 / 6
Junction box dimensions (length/width/thickness [mm])	151 / 122 / 25
Positive cable (manufacturer/length [mm]/cable cross-section [mm ²])	CIGI / 1200 / 4
Negative cable (manufacturer/length [mm]/cable cross-section [mm ²])	CIGI / 1200 / 4
Plug connector (manufacturer/type/protection degree)	CIGI / UV resistance and self-locking / IP65
Front cover (material/thickness [mm])	Tempered Glass, 4 mm
Cell type (quantity/technology)	60 / polycrystalline / 156 x 156
Encapsulation materials	Ethylene Vinyl acetate (EVA)
Rear cover (material/thickness [mm])	Le/PET/PyDT 0.28T
Frame (material)	robust anodized aluminum alloy

OPERATING CONDITIONS

Operating temperature [°C]	- 40 to + 85
Max. wind load [Pa]	2.4K

PACKAGING

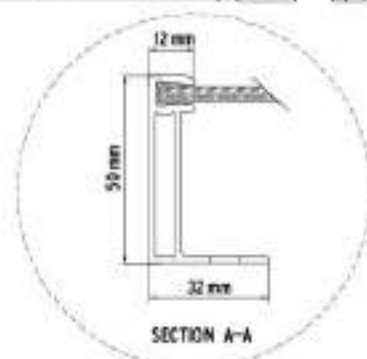
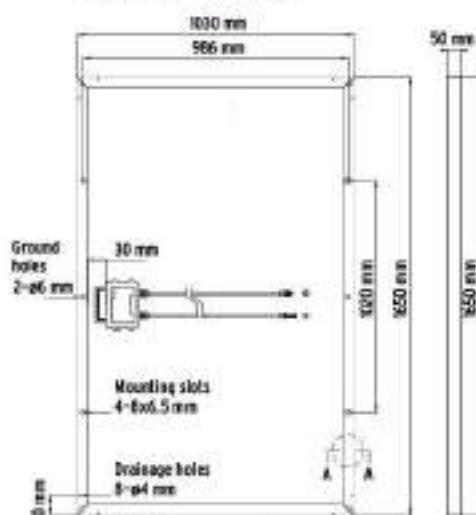
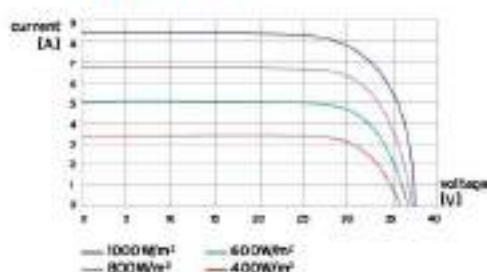
Number of modules per box	20
Box size (length [mm]/width [mm]/height [mm])	1706 / 1140 / 165
Box Gross weight in Kg	450
Boxes per pallet	1

* The dots does not refer to a single module and they are not part of the offer, they serve for comparison only to different module types.

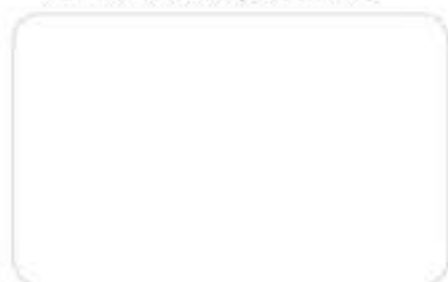
Yingli Energy (China) Company Limited
commerce@yinglisolar.com
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Subject to modifications and errors

IV CURVES



Electrical equipment, check with your installer



Yingli Module---General Installation Manual

You shall read this manual before installing or using Yingli modules (simplify Yingli module).



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INTRODUCTION

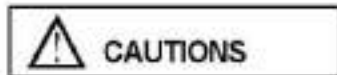
Thank you for purchasing Yingli Photovoltaic (PV) modules. This manual contains important installation, maintenance and safety information. Retain this instruction for future reference.

Disclaimer of Liability

Yingli does not assume responsibility and expressly disclaims liability for loss, damage, or expenses arising out of, or in anyway connections with installation, operation use or maintenance by using this manual. Yingli assumes no responsibility for any infringement of patents or other rights of third parties, which may result from using of the module. No license is granted by implication or under any patent or patent rights. The information in this manual is believed to be reliable, but does not constitute an expressed and implied warranty. Yingli reserves the right to make changes to the product, specifications, or manual without prior notice.

General Information and safety

The installation of solar modules requires by qualified licensed professional, including, without limitation, licensed contractors and licensed electricians.



- Instructions shall be read and understood before attempting to install, wire operate and maintain the photovoltaic module. Contact with electrically active parts of the module such as terminals can result in burns, sparks, and lethal shock whether the module is connected or disconnected.
- PV modules generate DC electricity when exposed to sunlight or other light sources. Although single module produces only a low voltage and current, shocks and burns may still occur.
- To avoid the hazard of electric shock and injury, cover all of the front surface of PV modules with material such as the cardboard box during installing and handling.
- Do not step on a module in which can cause the damage.
- Damage the back sheet of a module can cause the potential electric shocks and fire.
- Children and unauthorized persons should not be allowed near the PV modules during the installation.
- Do not disassemble or remove any part of a module that installed by the manufacturer.
- Only the qualified professional should open the junction box and to replace the bypass diodes.
- Do not touch terminals while a module(s) is exposed to light.
- At least two persons should carry a module wearing non-slip gloves.
- Do not carry a module by holding the wires or the junction box.
- Do not drop any object on the surfaces of module avoiding to cause the damage.
- Avoid flammable gases or solvents to be present during the installation.

INSTALLATION

- Make sure the modules are arranged such that the current and voltage characteristics of the array are within the tolerances of the device to which the array will connect. Use this module in systems of up to 1000 volts (US NEC Rating: 600V).
 - In actual usage, a photovoltaic module may experience conditions that result in more current and/or voltage than reported at standard test conditions. The module's Isc rating should be multiplied by a factor of 1.25 when determining component ratings. NEC 690.8 requires an additional multiplying factor of 1.25 for conductor and fuse sizing. Refer to NEC Table 690.7 for voltage correction factors that are based on ambient air temperatures. If NEC Table 690.7 is not available, a factor of 1.25 should be used to adjust voltage.
 - The maximum Mechanical Loading shall be 2400 N/m².
 - Recommended Tilt Angles for stand alone system according to diagram1.
- Recommended Tilt Angles equal to the site's latitude for the grid-connected system.

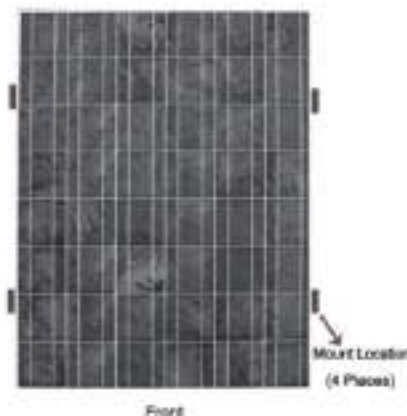


Fig. 1

Site Latitude in Degrees	Fixed Tilt Angle
0° to 15°	15°
15° to 25°	Same as latitude
25° to 30°	Latitude plus 5°
30° to 35°	Latitude plus 10°
35° to 40°	Latitude plus 15°
40°	Latitude plus 20°

Diagram 1

Before Installation

- To comply with NEC, a minimum of four inches clearance between the module frame and the mounting surface is required. The module shall never be sealed to the mounting surface with sealant that prevents air from circulating under the module.
- The module shall be installed as shown in figure 1. Failure to do so can lead to the frame separating from the glass, the glass breaking, and/or the solar module may become a falling object.

- Follow the illustration in figure 1 to provide proper support of the module that will withstand all expected loads, including those imposed by snow, ice, or wind.
- Module should be mounted facing south. In general, the modules will lose approximately 10 to 15 percent of their power output if they are facing 30 degrees away from true South. 20 to 30 percent of power will be lost if the modules are facing 60 degrees away from true South. For more information, refer to table 1.
- Modules shall be installed where they are not shaded by the obstacles or partially shaded by any objects.
- Modules should be bolted to support structures through mounting holes located in the frame's back flanges. The frame of each module has four 6 mm diameter mounting holes. It is required to use a cutting star washer, stainless steel screws, and bolts to secure the mounting. The use of a copper washer is not permitted due to the possibility of causing corrosion through the use of dissimilar metals. Creating additional holes or mounting is not permitted and will invalidate the warranty.
- Modules should be mounted so that the junction box will be in the upper most position to minimize the ingress of water.

- In case the modules are mounted on the roof or wall of a building, either standoff method or the rack method is required.
 - a) **Stand off:** The modules should be supported parallel to the surface of the building wall or roof. A minimum clearance of 4.0 inches (102 mm) between the module frame and the surface of the wall or the roof is required to allow air to circulate behind the module and to prevent wiring damage.
 - b) **Rack:** The supporting module frame is used to mount the module at correct tilt angles. The mounting design may have an impact on the fire resistance.

•Be aware if other mounting method employed, it may affect for Fire Class Ratings.

•**Caution: DO NOT connect the modules to the regulator, battery, or load at this time.**

•If the system involves regulator and battery, refer to the manufactures procedures for the battery and regulator wiring. After the battery and regulator/load are wired, connect the system with the following procedure:

1. Connect the regulator to the battery
2. Connect the regulator to the module output
3. Connect the load to the regulator

Wiring

Yingli series modules come pre-wired and terminated ready for most building attached or free standing installations.

Each module has two stranded sunlight resistant output cables each terminated. The positive (+) terminal has a female connector while the negative (-) terminal has a male connector. The module wiring is solely for series connections only, i.e. female (+) to male (-) interconnections. Series and parallel connections shall be made by use of two #12 AWG sunlight resistant output cables with male and female connectors. (UL Listed: Yingli series modules have a maximum system voltage rating of 600 volts DC. You shall refer to the National Electrical Code Article 690-7(a) for determining the maximum number of Yingli series modules that can be placed in series.)

Grounding: Before installing your solar system, contact local authorities to determine the necessary grounding. (UL Listed: Attach all module frames to an earth ground in accordance with the National Electrical Code (NEC).) Proper grounding is achieved by connecting the module frame(s) and structural members contiguously one to another using a suitable copper grounding conductor. The grounding conductor must make a connection to earth using a suitable earth ground electrode. Ensure positive electrical contact through the anodizing (coating) on the module's frame for reliable bonding by attaching the copper grounding conductor to one of the 6 mm diameter holes marked 'ground' using a steel washer (#6), tooth washer (#6), a bolt (M6×30), and a nut (M6), with a torque value of (10N.M).

• **Bypass Diodes:** Partial shading of an individual module in a series can cause a reverse voltage to travel across the shaded module; the current is then forced through the shaded area by the other modules in series. Bypass diodes can minimize module heating and array current losses by forced current bypass the shaded module in a series circuit. All Yingli modules are equipped with factory installed bypass diodes. The factory-installed diodes provide proper circuit protection for the systems, therefore no additional bypass diode(s) is(are) needed. Contact your authorized Yingli distributor or dealer for proper diode type, if necessary to add or change diodes due to the system requirement.

Maintenance

Some maintenance is recommended to maintain optimal output performance of solar cell modules. Do not clean modules during the middle of the day when the glass is hot. The thermal shock of cold water on hot, tempered glass could shatter the glass. If the module surface becomes dirty, it may cause reduction of output power. It is recommended to clean the surface with water and soft cloth or sponge. A mild non-abrasive detergent may be applied for the persistent dirt. And it is also recommended to inspect the electrical and mechanical connections annually. If you need electrical and mechanical inspection or maintenance, it is recommended to have the authorized professional carry out the inspection or maintenance to avoid the hazards of electric shock or injury.

Return policy

The return of any modules will not be accepted by Yingli unless prior written authorization has been given by Yingli. As part of our policy of continuous improvement Yingli reserves the right to change products specifications at any time without prior notice.

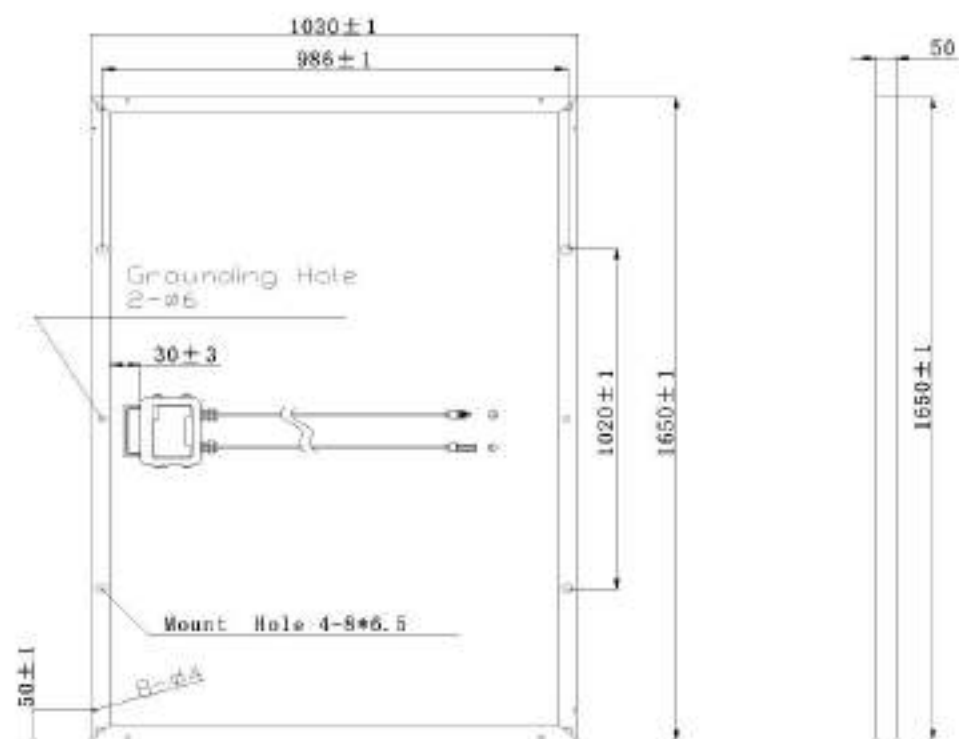
Mechanical / Electrical Specifications

Module Type	YL200(156)	YL208(156)	YL210(156)	YL215(156)	YL220(156)	YL225(156)	YL230(156)	YL235(156)	YL240(156)
Rate Watts (Pmax)	200	205	210	215	220	225	230	235	240
Max. Volt (V _{pm})	28.5	28.5	28.5	29.0	29.0	29.5	29.5	29.5	29.5
Max. Current (I _{pm})	7.02	7.19	7.37	7.41	7.59	7.63	7.80	7.97	8.14
Open Circuit (V _{oc})	36.0	36.0	36.0	36.0	36.5	36.5	37.0	37.0	37.5
Short Circuit (I _{sc})	7.68	7.85	7.95	8.10	8.15	8.25	8.40	8.54	8.65
Max. Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Length (mm)	1650	1650	1650	1650	1650	1650	1650	1650	1650
Width(mm)	1020	1020	1020	1020	1020	1020	1020	1020	1020
Height(mm)	50	50	50	50	50	50	50	50	50
Weight(Kg)	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1

The above values are measured at Standard Test Conditions (STC), 1000W/m², 25°C cell temperature and AM 1.5G. Power tolerances are +/- 5% unless noted otherwise.

Module Diagram

Dimensions are in millimeters



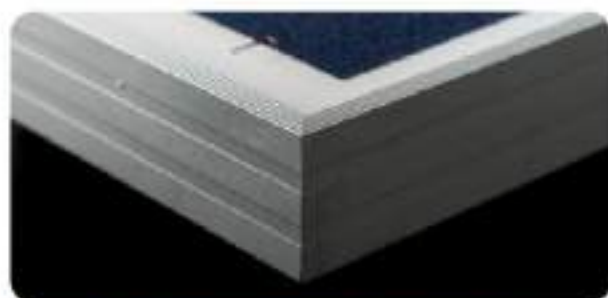
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Limited Warranty for PV Modules 2008/12

1 LIMITED PRODUCT WARRANTY- FIVE YEAR REPAIR, REPLACEMENT OR REFUND REMEDY

Yingli Green Energy Holding Co. Ltd (Yingli Green Energy) warrants its Photovoltaic modules ("PV-modules") to be free from defects in materials and workmanship under normal application, installation, use and service conditions. If the PV-modules fail to conform to this warranty, then for a period ending sixty (60) months from date of sale to the original customer ("the Customer"), Yingli Green Energy will, at its option, either repair or replace the product, or refund the purchase price as paid by the Customer ("Purchase price"). In cases where a subsequent delivery has failed or where a defect was not removed, the Customer has to accept a further attempt to subsequent delivery or to repair the defect before he makes any further statutory guarantee claims. The same shall apply in cases when after the delivery or replacement other defects appear.

The repair or replacement or refund remedy shall be the sole and exclusive remedy provided under the limited Product Warranty and shall not extend beyond the sixty (60) month period set forth here-in. This limited Product Warranty does not warrant a specific power output which shall be exclusively covered under clause 2 hereinafter (Limited Peak Power Warranty).



2 LIMITED PEAK POWER WARRANTY- LIMITED REMEDY

A: 10 YEARS

If, within ten (10) years from date of sale to the Customer any PV-module(s) exhibits a power output less than 90% of the minimum Peak Power at YL' as specified at the date of delivery in Yingli Green Energy's Product Information Sheet, provided that such loss in power is determined by Yingli Green Energy (at its sole and absolute discretion) to be due to defects in material or workmanship, Yingli Green Energy will replace such loss in power by either providing to the customer additional PV-modules to make up such loss in power or by replacing the defective PV module(s) at the option of Yingli Green Energy.

B: 25 YEARS

If, within a period of twenty-five (25) years from date of sale to the Customer any PV-module(s) exhibits a power output less than 80% of the minimum Peak Power at YL', provided that such loss in power is determined by Yingli Green Energy (at its sole and absolute discretion) to be due to defects in material or workmanship, Yingli Green Energy will replace such loss in power by either providing to the Customer additional PV-modules to make up such loss in power, or by replacing the defective PV-module(s), at the option of Yingli Green Energy. The remedies set forth in this clause 2 shall be the sole and exclusive remedies provided under the limited Peak Power Warranty.

3 EXCLUSIONS AND LIMITATIONS

- A: Warranty claims must in any event be filed within the applicable warranty period.
- B: The limited warranties do not apply to any PV-modules which in Yingli Green Energy's absolute judgement have been subjected to:
- » Misuse, abuse, neglect or accident;
 - » Alteration, improper installation or application;
 - » Non-observance of Yingli Green Energy's installation-users and maintenance instructions;
 - » Repair or modifications by someone other than an approved service technician of Yingli Green Energy;
 - » Power failure surges, lightning, flood, fire, accidental breakage or other events outside Yingli Green Energy's control.
- C: The defective modules shall be sent to Yingli Green Energy on request. The limited warranties do not cover any transportation costs for return of the PV-modules or for reshipment of any repaired or replaced PV-modules or cost associated with installation, removal or reinstallation of the PV-modules.
- D: Warranty claims will not be honored if the type or serial number of the PV-modules have been altered, removed or made illegible.
- E: This guarantee is neither a guarantee, within the meaning of clause 443, nor within the meaning of clause 276 of the German Civil Code (BGB) or any other comprehensive regulation under European Law. Claims due to loss of profit, compensation for loss of use, indirect damage and claims due to damage occurring exterior to the modules are not covered by this Guarantee.



F: EXCEPT AS EXPRESSLY SET FORTH ABOVE, YINGLI GREEN ENERGY AND ITS SUBSIDIARIES MAKE NO REPRESENTATION OR WARRANTY OF ANY KIND WHATSOEVER, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR NON-INFRINGEMENT, TO THE FULLEST EXTENT PERMITTED AT LAW, UNDER NO CIRCUMSTANCES WILL YINGLI GREEN ENERGY AND ITS SUBSIDIARIES BE LIABLE FOR ANY SPECIAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, ARISING, DIRECTLY OR INDIRECTLY, FROM THE SALE OR USE OF ANY PV-MODULES, WHETHER CLAIM IS BASED ON WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE. UNDER NO CIRCUMSTANCES SHALL THE LIABILITY FOR NONCONFORMING PV-MODULES EXCEED THE PURCHASE PRICE PAID TO YINGLI GREEN ENERGY AND ITS SUBSIDIARIES FOR THE PARTICULAR PV-MODULES INVOLVED, PLUS REASONABLE SHIPPING EXPENSES. THE RIGHTS AND LIMITATIONS HEREIN SHALL LEAVE UNAFFECTED ANY LEGAL RIGHTS EXISTING UNDER MANDATORY APPLICABLE LAWS.

4 OBTAINING WARRANTY PERFORMANCE

If the Customer feels he/she has a justified claim covered by this limited warranty, he/she must immediately notify (a) the dealer, who sold the PV-modules, or (b) any authorized Yingli Green Energy distributor of the claim in writing, or (c) send such notification directly to Yingli Green Energy. The notification shall include a description of the claimed defect and the PV-module serial number.

Together with the notification, the Customer should enclose evidence of the date of sale on which the modules have been purchased. If applicable, the Customer's dealer or distributor will give advice on handling the claim. If further assistance is required, the Customer is invited to write to Yingli Green Energy for instructions. The return of any PV-modules will not be accepted unless prior written authorisation has been given by Yingli Green Energy.

5 SEVERABILITY

If a part, provision or clause of this limited warranty, or the application thereof to any person or circumstance, is held invalid, void or unenforceable, such holding shall not affect and shall leave all other parts, provisions, clauses or applications of the limited warranty, and to this end, such other parts, provisions, clauses or applications of this limited warranty shall be treated as severable.

Yingli Green Energy Holding Co. Ltd.
commerce@yinglisolar.com
0086 - (0)312 - 8929802

6 DISPUTES

No action, regardless of form, arising out of or in any way connected with this limited warranty, may be brought by the Customer more than one (1) year after the cause of action has accrued.

7 MISCELLANEOUS

The repair or replacement of the PV-modules or the supply of additional PV-modules does not cause the beginning of new warranty terms, nor shall the original terms of this limited warranty be extended. Any replaced PV-modules shall become the property of Yingli Green Energy. Yingli Green Energy has the right to deliver another type (different in size, colour, shape and/or power) in case Yingli Green Energy discontinued producing the PV-module in question at the time of the claim.

8 FORCE MAJEURE

Yingli Green Energy shall not be in any way be responsible or liable to the Customer or any third-party arising out of any non-performance or delay in performance of any terms and conditions of sale, including this limited warranty, due to Acts of God, earthquakes, whirlwinds, floods, lightning, snow damage as well as war, riots, strikes, unavailability of suitable and sufficient labor, material, or capacity or technical or yield failures and any unforeseen event beyond its control, including, without limitations, any technological or physical event or condition which is not reasonably known or understood at the time of the sale of the PV-modules or the claim.

NOTE

1 "Peak Power" is the power in watt peak that a PV-module generates in its maximum power point. "YL" are as follows (a) light spectrum of AM 1.5, (b) an irradiation of 1,000 W per m² and (c) a cell temperature of 25 degree Centigrade. The measurements are carried out in accordance with IEC61215 as tested at the junction box terminals per the calibration and testing standards of Yingli Green Energy valid at the date of manufacture of the PV-modules. Yingli Green Energy's calibration standards shall be in compliance with the standards applied by international institutions accredited for this purpose.

Certificate

Page 1

Report No.: 21207785-1

License Holder:

Yingli Green Energy Holding Co., Ltd.

No. 3055, Fuxing Road
Baoding City, 071051
China

Manufacturing Plant:

Baoding Yingli New Energy Resources Co., Ltd.
No. 3055, Fuxing Road
Baoding City, 071051
China

Product:

PV Modules

Type: YL155(23)P, YL160(23)P
YL165(23)P, YL170(23)P
YL175(23)P, YL180(23)P
YL185(23)P
YL200(156), YL205(156)
YL210(156), YL215(156)
YL220(156), YL225(156)
YL230(156), YL235(156)
YL240(156)

Basis:

TÜV Spec TZE/2.572.09
*Safety Class II Test on
Photovoltaic (PV) Modules*

Factory Inspection
To document the consistent quality of
the product factory inspections are
performed periodically.

Remarks:

The above mentioned PV module may be used in PV plants at a total voltage (maximum system voltage) of up to **1000 VDC**. The modules consist of glass / EVA / cells / PET-PVF-PET foil Isosolar 2442 (0,35), MC or QC/0506-1 junction box, MC or QC cable, MC or QC 0506-1.1 connectors and aluminium frame. The module types which are listed above differ in: dimensions, electrical rating, and cell number (48 or 60 multi silicon solar cells 156 mm x 156 mm).


Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certificate is only valid in conjunction with proof of the suitability of the modules in accordance with IEC 61215 (or similar procedure).

The certificate has a validity of 3 years counting from the date of issue, provided that the testing basis remains unchanged. The series production is not subject to a control and is not part of the assessment.

Cologne, 23 July 2007

Renewable Energies



Dipl.-Ing. M. Adrian

ASU-PTL Photovoltaic Module Qualification

Type Test Certificate C2-YNE06005 is awarded to

Manufacturer: Yingli New Energy

Type: YL210(156)

Models: YL240(156), YL235(156), YL230(156), YL225(156), YL220(156), YL215(156), YL210(156), YL205(156), YL200(156)

Specifications: 60 polycrystalline silicon cells, plastic QC Solar J-box, EVA encapsulant, TPT backsheet, tempered glass substrate, and aluminum frame. Maximum system voltage is 1000 V. (See photos on the back.)

Tested type: YL210(156) Sampling: Eight manufacturer-supplied unconditioned test samples

Test samples received: 4/28/06

Tests conducted from: 5/9/06

Tests conducted at:

To: 8/23/06

Web: www.pvtv.asu.edu/jnl

PTL, 7349 E. Unity Avenue, Mesa, Arizona, 85212

This laboratory is accredited by the American Association for Laboratory Accreditation (A2LA).

Manufacturer's Address: Yingli New Energy, 11, Huaxian Road, High-Tech Industrial Development Zone, Baoding 071051, China

Test data and analysis detailed in Test Report #: R-YNE06005

PTL Project: YNE06005


Certificate #0921-01
Since 8/23/97

Certificate Issue Date: February 27, 2007

The **Arizona State University Photovoltaic Testing Laboratory (ASU-PTL)** acknowledges that the above photovoltaic test samples have satisfied the requirements of the following test standard(s):

1. IEC 61215: Design qualification and type approval for crystalline silicon terrestrial photovoltaic (PV) modules [1993-04].

The YL210(156) qualified by similarity to the YL175(23)P (project YNE06001a) based upon IEC Retest Guidelines [12/30/04].

Models listed above qualified based upon IEC Retest Guidelines [12/30/04] and IEC TC82/WG2 Type and Model Conventions [4/16/02].

All tests in the above listed test standard(s) are within the ASU-PTL's scope of accreditation. Exception(s): None

Deviations from, additions to, or exclusions from aforementioned test standard(s): None

This test certificate may be used by the manufacturing company for its own purposes. However, the ASU-PTL cannot accept any legal responsibility from such use.

If the tested type undergoes any future product or process modifications, limited re-testing is required to maintain valid certification according to the applicable Retest Guidelines.

G. T. Tavakoli

Joseph M. Kuitche

Bo Li

Dr. Govindasamy Taminzh-Mani, Director

Joseph M. Kuitche, Operations Manager

Bo Li, Test Manager

Certifying Authority

Certifying Witness

Certifying Witness