YGE 60 Cell 40mm SERIES Powered by YINGLI

YL260P-29b YL255P-29b YL250P-29b YL245P-29b YL240P-29b YL235P-29b YL230P-29b





ABOUT YINGLI GREEN ENERGY

Yingli Green Energy Holding Company Limited (NYSE: YGE) is one of the world's largest fully vertically integrated PV manufacturers, which markets its products under the brand "Yingli Solar". With over 4.5GW of modules installed globally, we are a leading solar energy company built upon proven product reliability and sustainable performance. We are the first renewable energy company and the first Chinese company to sponsor the FIFA World Cup[™].

PERFORMANCE

- High efficiency, multicrystalline silicon solar cells with high transmission and textured glass deliver a module efficiency of up to 16.2%, minimizing installation costs and maximizing the kWh output of your system per unit area.
- Tight positive power tolerance of 0W to +5W ensures you receive modules at or above nameplate power and contributes to minimizing module mismatch losses leading to improved system yield.
- Top ranking in the "TÜV Rheinland Energy Yield Test" and the "PHOTON Test" demonstrates high performance and annual energy production.

RELIABILITY

- Tests by independent laboratories prove that Yingli Solar modules:
 - $\scriptstyle\scriptstyle\checkmark$ Fully conform to certification and regulatory standards.
 - Withstand wind loads of up to 2.4kPa and snow loads of up to 5.4kPa, confirming mechanical stability.
 - Successfully endure ammonia and salt-mist exposure at the highest severity level, ensuring their performance in adverse conditions.
- Manufacturing facility certified by TÜV Rheinland to ISO 9001:2008, ISO 14001:2004 and BS OHSAS 18001:2007.



WARRANTIES

- 10-year limited product warranty¹.
- Limited power warranty¹: 10 years at 91.2% of the minimal rated power output, 25 years at 80.7% of the minimal rated power output. ¹In compliance with our Warranty Terms and Conditions.

QUALIFICATIONS & CERTIFICATES

IEC 61215, IEC 61730, MCS, CE, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, SA 8000, PV Cycle



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YGE 60 Cell 40mm SERIES

ELECTRICAL PERFORMANCE

Electrical	parameters a	+ Standard	Test Condit	ione (STC
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Module type			YLxxxP-29b (xxx=P _{max})						
Power output	P _{max}	W	260	255	250	245	240	235	230
Power output tolerances	ΔP _{max}	W				0/5			
Module efficiency	n	%	15.9	15.6	15.3	15.0	14.7	14.4	14.1
Voltage at P _{max}	V _{mpp}	V	30.9	30.6	30.4	30.2	29.5	29.5	29.5
Current at P _{max}	I _{mpp}	Α	8.41	8.32	8.24	8.11	8.14	7.97	7.80
Open-circuit voltage	V _{oc}	V	38.9	38.7	38.4	37.8	37.5	37.0	37.0
Short-circuit current	I _{sc}	А	8.98	8.88	8.79	8.63	8.65	8.54	8.40

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3. Average relative efficiency reduction of 5% at 200W/m² according to EN 60904-1.

Electrical parameters at Nominal Operating Cell Temperature (NOCT)									
Power output	P _{max}	w	188.3	184.7	181.1	177.9	174.3	170.7	167.0
Voltage at P _{max}	V _{mpp}	v	28.1	27.9	27.6	27.2	26.6	26.6	26.6
Current at P _{max}	I _{mpp}	А	6.70	6.63	6.56	6.54	6.56	6.42	6.29
Open-circuit voltage	V _{oc}	v	35.9	35.7	35.4	34.5	34.2	33.8	33.8
Short-circuit current	I _{sc}	Α	7.27	7.19	7.12	6.99	7.01	6.92	6.81

NOCT: open-circuit module operation temperature at 800W/m² irradiance, 20°C ambient temperature, 1m/s wind speed.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	46 +/- 2
Temperature coefficient of P_{max}	Ŷ	%/°C	-0.45
Temperature coefficient of V_{oc}	β _{voc}	%/°C	-0.33
Temperature coefficient of I _{sc}	α _{lsc}	%/°C	0.06
Temperature coefficient of $V_{_{mpp}}$	β _{Vmpp}	%/°C	-0.45

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Max. series fuse rating	15A
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow and wind)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm		
Cell (quantity / material / dimensions / number of busbars)	60 / multicrystalline silicon / 156mm x 156mm / 2 or 3		
Encapsulant (material)	ethylene vinyl acetate (EVA)		
Frame (material / color / anodization color / edge sealing)	anodized aluminum alloy / silver / clear / silicone or tape		
Junction box (protection degree)	≥ IP65		
Cable (length / cross-sectional area)	1100mm / 4mm ²		
Plug connector (type / protection degree)	MC4 / IP67 or YT08-1 / IP67 or Amphenol H4 / IP68		

• Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change

• The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

GENERAL CHARACTERISTICS aiana (I_ /) (/ LI) 4 (50) (000

Dimensions (L / W / H)	1650mm / 990mm / 40mm			
Weight	19.1kg			
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PACKAGING SPECIFICATIONS

Number of modules per pallet	26
Number of pallets per 40' container	28
Packaging box dimensions (L / W / H)	1700mm / 1150mm / 1190mm
Box weight	534kg

Unit: mm





Warning: Read the Installation and User manual in its entirety before handling, installing, and operating Yingli Solar modules.

Our Partners:

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without prior notice. The specifications may deviate slightly and are not guaranteed.

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