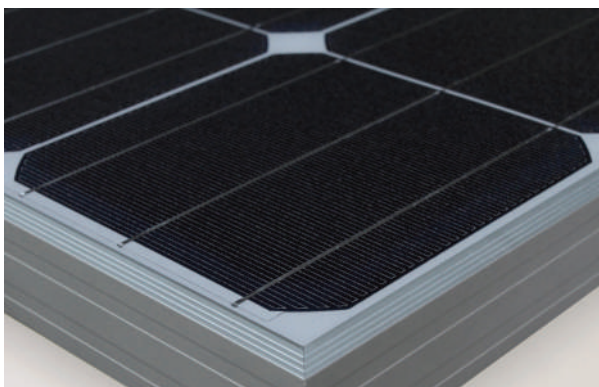
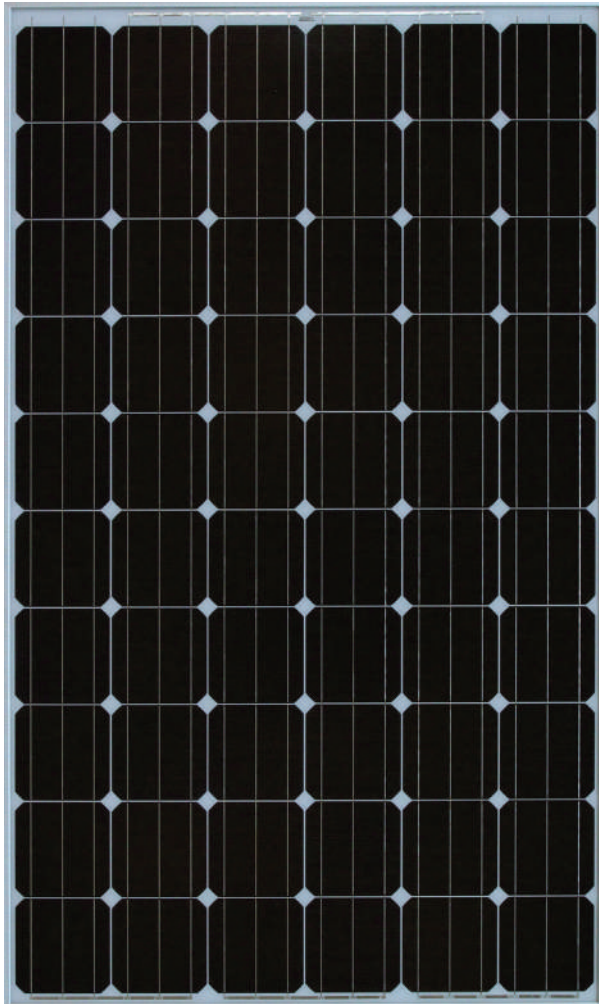


Panda 265 SERIES

YL265C-30b
YL260C-30b
YL255C-30b
YL250C-30b
YL245C-30b



ABOUT YINGLI SOLAR

Yingli Green Energy (NYSE: YGE) is one of the world's largest fully vertically integrated PV manufacturers. With over 2 GW 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™.

HIGH PERFORMANCE

- Yingli Solar Panda is a new monocrystalline module technology with n-type solar cells that have average efficiencies higher than 18.5%. Combined with high transmission glass, module efficiencies are up to 16.2%.
- Compared to traditional modules with p-type solar cells, Panda modules have lower initial degradation and higher performance under both high temperature and low irradiation conditions.
- Ideal for residential or commercial applications where high performance is essential.
- Power tolerance of +/-3% minimizing PV system mismatch losses.

QUALITY & RELIABILITY

- Industry leading in-house manufacturing of polysilicon, ingots, wafers, cells and modules ensures tight control of our material and production quality.
- Robust, corrosion resistant aluminum frame independently tested to withstand wind loads of 2.4 kPa and snow loads of 5.4 kPa ensuring a stable mechanical life for your modules.
- Manufactured in-house in our new state-of-the-art, fully automated production line.
- Manufacturing facility certified by TÜV Rheinland to ISO 9001:2008, ISO 14001:2004 and BS OHSAS 18001:2007.

WARRANTIES

- 5-year limited product warranty¹
- Limited power warranty¹: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output.

¹ In compliance with our warranty terms and conditions.

QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730, CE, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, SA8000, PV-Cycle



Panda 265 SERIES



ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module name			Panda 265	Panda 260	Panda 255	Panda 250	Panda 245
Module type			YL265C-30b	YL260C-30b	YL255C-30b	YL250C-30b	YL245C-30b
Power output	P_{max}	W	265	260	255	250	245
Power output tolerances	ΔP_{max}	%	+/- 3				
Module efficiency	η_m	%	16.2	15.9	15.6	15.3	15.0
Voltage at P_{max}	V_{mpp}	V	31.0	30.8	30.6	30.5	30.4
Current at P_{max}	I_{mpp}	A	8.55	8.46	8.33	8.20	8.07
Open-circuit voltage	V_{oc}	V	39.0	38.6	38.2	38.1	38.1
Short-circuit current	I_{sc}	A	8.93	8.91	8.85	8.71	8.59

STC: 1000W/m² irradiance, 25°C T_{module}, AM1.5g spectrum according to EN 60904-3
Ave. 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	192.4	188.8	185.2	181.6	177.9
Voltage at P_{max}	V_{mpp}	V	28.1	27.8	27.7	27.6	27.5
Current at P_{max}	I_{mpp}	A	6.86	6.79	6.68	6.58	6.48
Open-circuit voltage	V_{oc}	V	35.9	35.5	35.2	35.1	35.1
Short-circuit current	I_{sc}	A	7.20	7.18	7.13	7.02	6.92

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

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	46 +/- 2
Temperature coefficient of P_{max}	γ	%/°C	-0.45
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.33
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	0.04

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Max. series fuse rating	20A
Limiting reverse current	Do not apply external voltages larger than V _{oc} of the module
Operating temperature range	-40 to 85°C
Max. static load, front (e.g., snow and wind)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Hailstone impact (hailstone diameter / impact velocity)	25mm / 23m/s

CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / type / dimensions)	60 / monocrystalline / 156mm x 156mm
Encapsulant (material)	ethylene vinyl acetate (EVA)
Frame (material / color / anodization color)	anodized aluminum alloy / silver / clear
Junction box (protection degree)	IP65
Cable (length / cross-sectional area)	1200mm / 4mm ²
Plug connector (type / protection degree)	MC4 / IP67 or H4 / IP68

GENERAL CHARACTERISTICS

Dimensions (length / width / height)	1650mm / 990mm / 50mm
Weight	19.5 kg

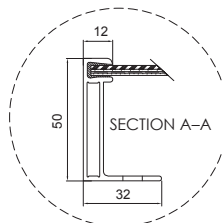
PACKAGING SPECIFICATIONS

Number of modules per pallet	20
Number of pallets per 40' container	28
Packaging box dimensions (length / width / height)	1700mm / 1150mm / 1190mm
Box weight	427 kg

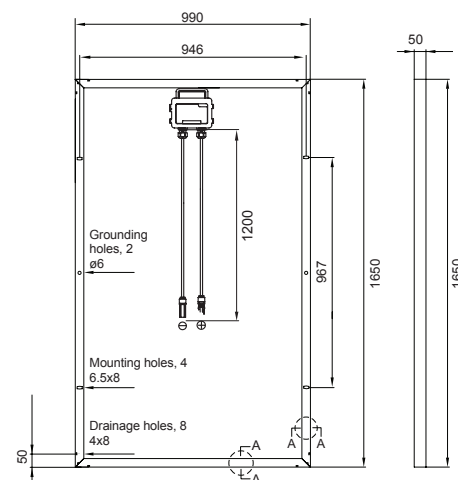
• Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.

• 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.

Units: mm



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



Our Partners

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