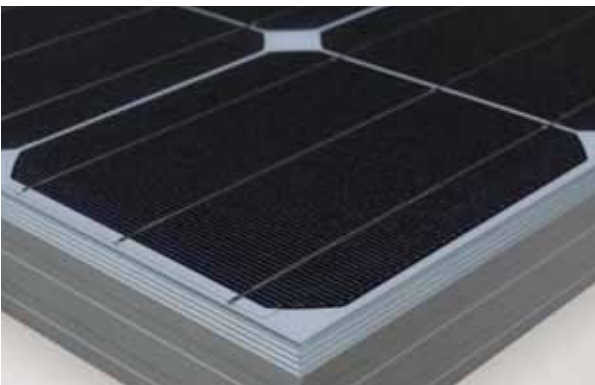
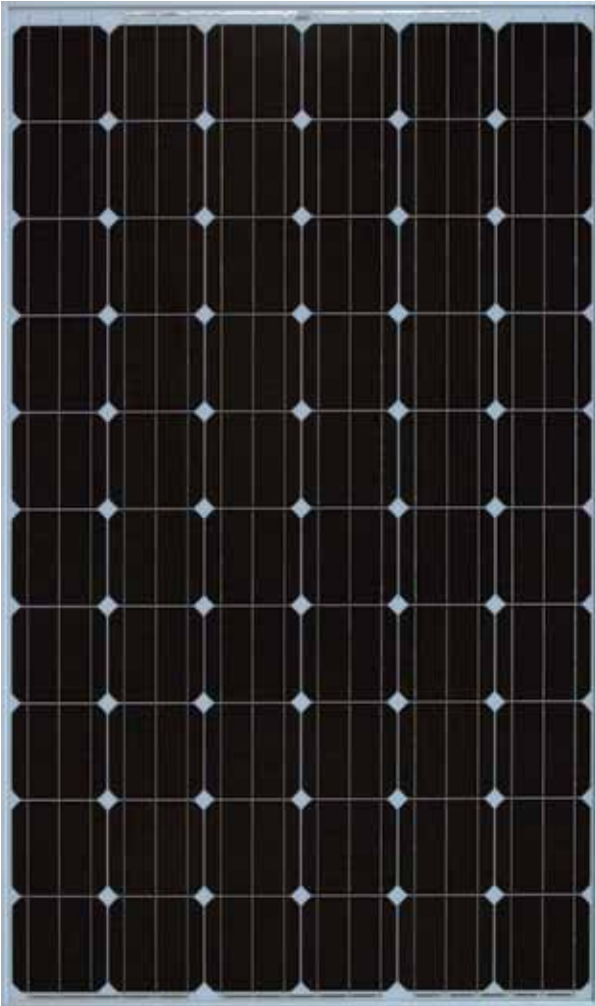


Panda 265 SERIES

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



COMPANY

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. Founded in 1998, Yingli Green Energy serves customers through our U.S. subsidiary, Yingli Americas, co-headquartered in New York and San Francisco. 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 efficiency is essential.

QUALITY & RELIABILITY

- Robust, corrosion resistant aluminum frame independently tested to withstand wind and snow loads of up to 50 psf and 113 psf, respectively, ensuring a stable mechanical life.
- Manufactured in-house in our new state-of-the-art, fully automated production line.
- Manufacturing facilities certified to TÜV Rheinland standards.

WARRANTIES

- Extensive 5 year limited product warranty
 - Limited power warranty* = 90% of the minimum rated power output for 10 years, 80% of the minimum rated power output for 25 years
- * In compliance with our warranty terms and conditions.

QUALIFICATIONS & CERTIFICATES

- Pending: UL 1703 and ULC 1703, CEC, FSEC
- ISO 9001:2008, ISO 14001:2004, BS OSHAS 18001:2007, SA8000



Provisional datasheet. Subject to modifications and errors.

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 module temperature, 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 ambient temperature, 1 m/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	600V _{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 194°F (-40 to 90°C)
Max. static load, front (e.g., snow and wind)	113 psf (5400 Pa)
Max. static load, back (e.g., wind)	50 psf (2400 Pa)
Hailstone impact	1 in (25 mm) at 51 mph (23 m/s)

CONSTRUCTION MATERIALS

Front cover (material/type/thickness)	Low-iron glass / tempered / 3.2 mm
Cell (quantity/material/type/dimensions/area)	60 / polysilicon / monocrystalline / 156 mm x 156 mm / 239.15 cm ²
Encapsulant (material)	Ethylene vinyl acetate (EVA)
Frame (material/color/anodization color)	Anodized aluminum alloy/silver/clear
Junction box (protection degree)	IP65
Cable (type/length/cross-sectional area)	PV Wire/47.24 in (1200 mm) /12 AWG
Plug connector (manufacturer/type/protection degree)	Amphenol / H4 / IP68

GENERAL CHARACTERISTICS

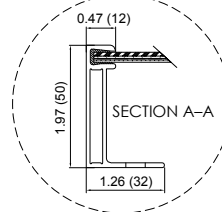
Dimensions (L/W/H)	64.96 in (1650 mm) / 38.98 in (990 mm) / 1.97 in (50 mm)
Weight	43.7 lbs (19.8 kg)

PACKAGING SPECIFICATIONS

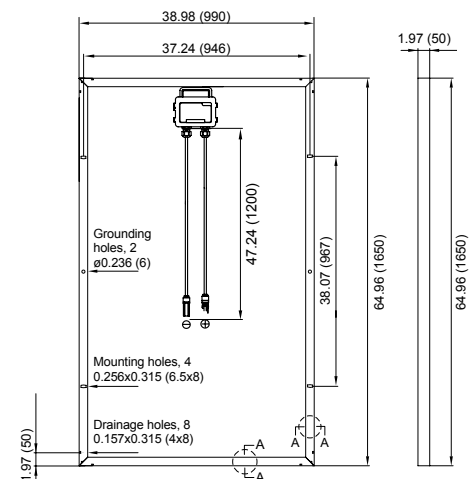
Number of modules per pallet	20
Number of pallets per 53' container	36
Packaging box dimensions (L/W/H)	67 in (1710 mm) / 45 in (1150 mm) / 47 in (1190 mm)
Box weight	992 lbs (450 kg)

- The specifications in this datasheet are not guaranteed and are subject to change without prior notice.
- This datasheet complies with EN 50380:2003 requirements.

Units: inch (mm)



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



Our Partners

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