

PANDA 60 CELL SERIES

YL270C-30b **NEW!**

YL265C-30b

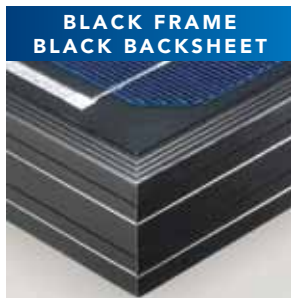
YL260C-30b

YL255C-30b

YL250C-30b



U.S. Soccer Powered by Yingli Solar



COMPANY

Yingli Green Energy (NYSE:YGE) is one of the world's largest fully vertically integrated PV manufacturers. With over 3.6 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 to sponsor the U.S. National Soccer teams and the FIFA World Cup™.

PRODUCT FEATURES

- All black PANDA modules enable aesthetic residential systems with a high power density.
- PANDA modules have the highest PTC/STC ratio compared to any PV module in the industry.

HIGH PERFORMANCE

- Yingli Solar PANDA modules feature bifacial monocrystalline n-type solar cell technology that have average efficiencies higher than 19.0% and module conversion efficiencies up to 16.5%.
- Compared to typical modules comprised of p-type multicrystalline cells, PANDA modules exhibit lower light-induced degradation and higher performance under both high temperature and low irradiance conditions.
- Tight positive power tolerance of -0W to +5W ensures modules are delivered at or above rated power, improving system performance through the reduction of module mismatch loss.

SUPERIOR DESIGN

- Anti-reflective coated glass improves electrical performance and reduces the effects of soiling, improving energy yield.
- Module packaging optimized to protect product during transportation and minimize on-site waste.
- Ideal for residential or commercial applications where high efficiency is critical.

WARRANTIES

- Leading limited power warranty* ensures 98% of rated power for the first year, 92% of rated power for 10 years, and 82% of rated power for 25 years.
- 10-year limited product warranty.

*In compliance with our warranty terms and conditions.

QUALIFICATIONS & CERTIFICATES

UL 1703 and ULC 1703, UL Fire Safety Class C, CEC, FSEC, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, SA8000



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ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type			YL270C-30b	YL265C-30b	YL260C-30b	YL255C-30b	YL250C-30b
Power output	P_{max}	W	270	265	260	255	250
Power output tolerances	ΔP_{max}	W	-0/+5				
Module efficiency	η_m	%	16.5	16.2	15.9	15.6	15.3
Voltage at P_{max}	V_{mpp}	V	31.1	31.0	30.8	30.6	30.5
Current at P_{max}	I_{mpp}	A	8.68	8.55	8.46	8.33	8.20
Open-circuit voltage	V_{oc}	V	39.0	39.0	38.6	38.2	38.1
Short-circuit current	I_{sc}	A	9.06	8.93	8.91	8.85	8.71

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3
Relative efficiency reduction of 3.5% at 200W/m² according to EN 60904-1

Electrical parameters at Nominal Operating Cell Temperature (NOCT)

Power output	P_{max}	W	195.6	192.4	188.8	185.2	181.6
Voltage at P_{max}	V_{mpp}	V	28.3	28.1	27.8	27.7	27.6
Current at P_{max}	I_{mpp}	A	6.91	6.86	6.79	6.68	6.58
Open-circuit voltage	V_{oc}	V	36.1	35.9	35.5	35.2	35.1
Short-circuit current	I_{sc}	A	7.34	7.20	7.18	7.13	7.02

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	-0.42
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.31
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	0.04
Temperature coefficient of V_{mpp}	β_{Vmpp}	%/°C	-0.41

OPERATING CONDITIONS

Max. system voltage	600V _{oc}
Max. series fuse rating	15A
Limiting reverse current	15A
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)	Anti-reflective low-iron glass / tempered / 3.2 mm
Backsheet (color)	White or black
Cell (quantity/material/type/dimensions/area/# of busbars)	60 / polysilicon / monocrystalline / 156 mm x 156 mm / 238.95 cm ² / 3
Encapsulant (material)	Ethylene vinyl acetate (EVA)
Frame (material/color)	Aluminum alloy / anodized silver or black
Junction box (protection degree)	≥ IP65
Cable (type/length/gauge/outside diameter)	PV Wire / 43.31 in (1100 mm) / 12 AWG / 0.244 in (6.2 mm)
Plug connector (manufacturer/type/protection degree)	Amphenol / H4 / IP68

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

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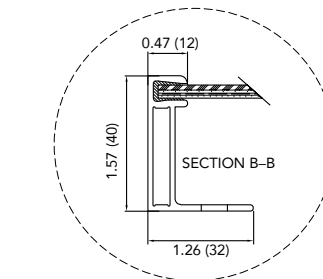
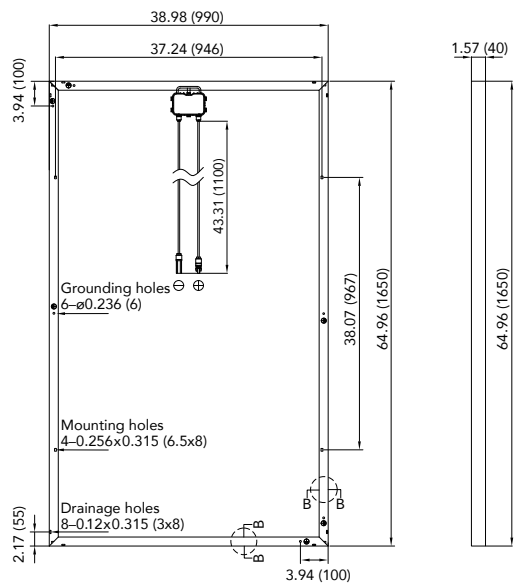
GENERAL CHARACTERISTICS

Dimensions (L/W/H)	64.96 in (1650 mm) / 38.98 in (990 mm) / 1.57 in (40 mm)
Weight	42.1 lbs (19.1 kg)

PACKAGING SPECIFICATIONS

Number of modules per pallet	26
Number of pallets per 53' container	34
Packaging box dimensions (L/W/H)	67 in (1700 mm) / 45 in (1150 mm) / 47 in (1190 mm)
Box weight	1177 lbs (534 kg)

Units: inch (mm)



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

Our Partners



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