

PANDA SERIES

YL265C-30b
YL260C-30b
YL255C-30b
YL250C-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 bifacial 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 irradiance 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.
- Manufacturing facility certified to ISO9001 Quality Management System standards.
- Module packaging optimized to protect product during transportation and minimize on-site waste.

WARRANTIES

- Extensive 5-year limited product warranty and a 25-year limited power 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

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



PANDA SERIES

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)¹

| Module name | | | PANDA 265 | PANDA 260 | PANDA 255 | PANDA 250 |
|--------------------------------------|------------------|---|------------|------------|------------|------------|
| Module type | | | YL265C-30b | YL260C-30b | YL255C-30b | YL250C-30b |
| Power output | P_{max} | W | 265 | 260 | 255 | 250 |
| Power output tolerances ² | ΔP_{max} | % | +/- 3 | | | |
| Module efficiency | η_m | % | 16.2 | 15.9 | 15.6 | 15.3 |
| Voltage at Pmax | V_{mpp} | V | 31.0 | 30.8 | 30.6 | 30.5 |
| Current at Pmax | I_{mpp} | A | 8.55 | 8.46 | 8.33 | 8.20 |
| Open-circuit voltage | V_{oc} | V | 39.0 | 38.6 | 38.2 | 38.1 |
| Short-circuit current | I_{sc} | A | 8.93 | 8.91 | 8.85 | 8.71 |

¹ STC: 1000W/m² irradiance, 25°C module temperature, AM 1.5g spectrum according to EN 60904-3

² Premium power output tolerance options are available upon request

Electrical parameters at Nominal Operating Cell Temperature (NOCT)

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

NOCT: open-circuit operating cell 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 _{oc} |
| Max. series fuse rating | 20A |
| 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) | Anodized aluminum alloy / silver |
| Junction box (protection degree) | IP65 |
| Cable (type/length/gauge/outside diameter) | PV Wire / 47.24 in (1200 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.

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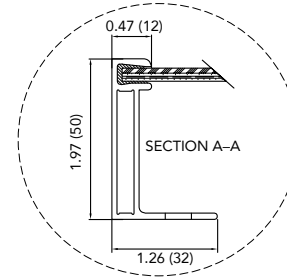
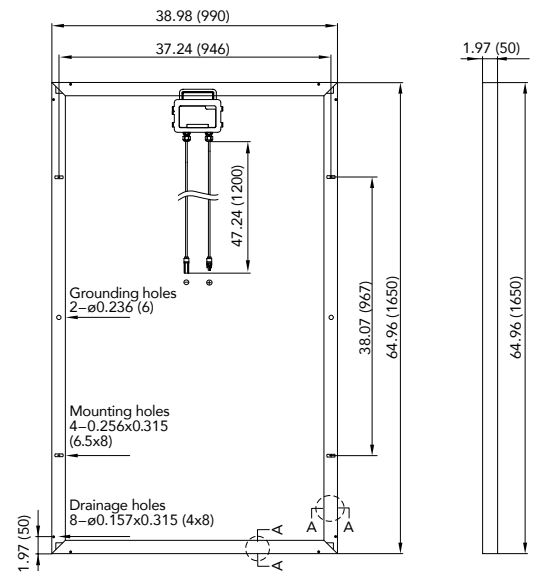
GENERAL CHARACTERISTICS

| | |
|--------------------|--|
| Dimensions (L/W/H) | 64.96 in (1650 mm) / 38.98 in (990 mm) / 1.97 in (50 mm) |
| Weight | 43.0 lbs (19.5 kg) |

PACKAGING SPECIFICATIONS

| | |
|-------------------------------------|---|
| Number of modules per pallet | 20 |
| Number of pallets per 53' container | 36 |
| Packaging box dimensions (L/W/H) | 67 in (1700 mm) / 45 in (1150 mm) / 47 in (1190 mm) |
| Box weight | 941 lbs (427 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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