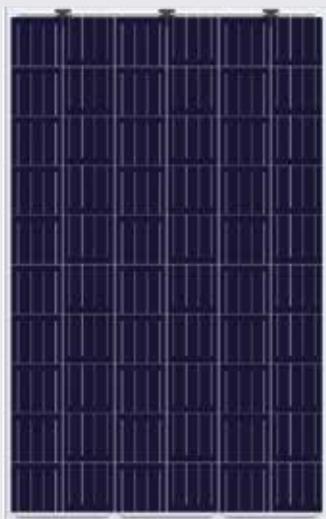


YGE
G/G
60CL

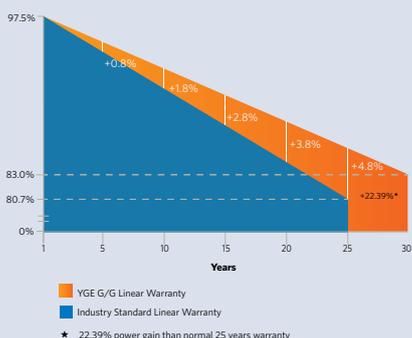


18.5%
CELL EFFICIENCY

10 YEAR
PRODUCT WARRANTY

0-5W
POWER TOLERANCE

30 Years Linear Warranty



DOUBLED STRENGTH FOR MULTIPLIED RELIABILITY

Whenever the conditions are requiring a more robust solution, our PV modules are the right choice. Carefully chosen materials, state of the art solar cells and our experience in manufacturing ensure in addition the high product quality.

+ $\frac{W}{m^2}$ High Power Density
High efficiency, multicrystalline silicon cells with high transmission and textured glass could minimize installation costs and maximize kWh output of your system per unit area.

Durability
Durable PV modules, independently tested for harsh environmental conditions such as exposure to salt mist, ammonia or known PID risk factors.

PID Resistant
Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.

Optimal Self-cleaning
Optimal self-cleaning due to frameless module design.

Yingli Green Energy

Yingli Green Energy Holding Company Limited, known as "Yingli Solar", is one of the world's leading solar panel manufacturers with the mission to provide affordable green energy for all. Yingli Solar makes solar power possible for communities everywhere by using our global manufacturing and logistics expertise to address unique local challenges.

YGE G/G 60CL

Electrical Performance

Electrical parameters at Standard Test Conditions (STC)

| Module type | YLxxxPG2530L-1 (xxx=Pmax) | | | | | | | |
|-------------------------|---------------------------|---|---------|------|------|------|------|------|
| Power output | P_{max} | W | 285 | 280 | 275 | 270 | 265 | 260 |
| Power output tolerances | ΔP_{max} | W | 0 / + 5 | | | | | |
| Module efficiency | η_m | % | 17.3 | 17.0 | 16.7 | 16.4 | 16.1 | 15.8 |
| Voltage at P_{max} | V_{mpp} | V | 31.4 | 31.2 | 31.0 | 30.7 | 30.5 | 30.3 |
| Current at P_{max} | I_{mpp} | A | 9.08 | 8.98 | 8.90 | 8.80 | 8.70 | 8.59 |
| Open-circuit voltage | V_{oc} | V | 38.0 | 38.0 | 37.9 | 37.9 | 37.8 | 37.7 |
| Short-circuit current | I_{sc} | A | 9.51 | 9.43 | 9.35 | 9.27 | 9.18 | 9.09 |

STC: 1000W/m² irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 3.3% at 200W/m² according to EN 60904-1.

Electrical parameters at Nominal Operating Cell Temperature (NOCT)

| | | | | | | | | |
|-----------------------|-----------|---|-------|-------|-------|-------|-------|-------|
| Power output | P_{max} | W | 207.9 | 204.2 | 200.6 | 196.9 | 193.3 | 189.7 |
| Voltage at P_{max} | V_{mpp} | V | 28.6 | 28.4 | 28.2 | 28.0 | 27.8 | 27.6 |
| Current at P_{max} | I_{mpp} | A | 7.26 | 7.18 | 7.12 | 7.04 | 6.96 | 6.87 |
| Open-circuit voltage | V_{oc} | V | 35.1 | 35.1 | 35.0 | 35.0 | 34.9 | 34.8 |
| Short-circuit current | I_{sc} | A | 7.69 | 7.62 | 7.56 | 7.49 | 7.42 | 7.35 |

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} | γ_{Pmax} | %/°C | -0.42 |
| Temperature coefficient of V_{oc} | β_{Voc} | %/°C | -0.32 |
| Temperature coefficient of I_{sc} | α_{Isc} | %/°C | 0.05 |

OPERATING CONDITIONS

| | |
|---|---------------------|
| Max. system voltage | 1500V _{oc} |
| Max. series fuse rating | 15A |
| Limiting reverse current | 15A |
| Operating temperature range | -40°C to 85°C |
| Max. snow load, front* | 5400Pa |
| Max. wind load, back | 2400Pa |
| Max. hailstone impact (diameter / velocity) | 25mm / 23m/s |

*Load bearing capacity depends on installation.

CONSTRUCTION MATERIALS

| | |
|---|--|
| Front cover (material / thickness) | low-iron semi-tempered glass / 2.5mm×2 |
| Cell (quantity / material / dimensions / number of busbars) | 60 / multicrystalline silicon / 156.75mm x 156.75mm (+/-0.25) / 4 or 5 |
| Frame (material) | N / A |
| Junction box (protection degree) | ≥ IP67 |
| Cable (length / cross-sectional area) | 200mm / 4mm ² |
| Plug connector (type / protection degree) | RH 05-8 / IP67 or LSC-R1 / IP68 or LSC-R4 / IP68 |

- 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.

QUALIFICATIONS & CERTIFICATES

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



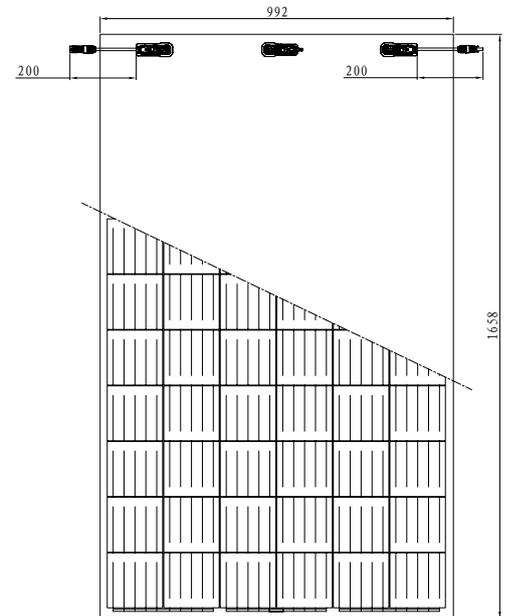
GENERAL CHARACTERISTICS

| | |
|------------------------|----------------------|
| Dimensions (L / W / H) | 1658mm / 992mm / 6mm |
| Weight | 23kg |

PACKAGING SPECIFICATIONS

| | |
|--------------------------------------|--------------------------|
| Number of modules per pallet | 33 |
| Number of pallets per 40' container | 26 |
| Packaging box dimensions (L / W / H) | 1780mm / 1140mm / 1183mm |
| Pallet weight | 822kg |

Unit: mm



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

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