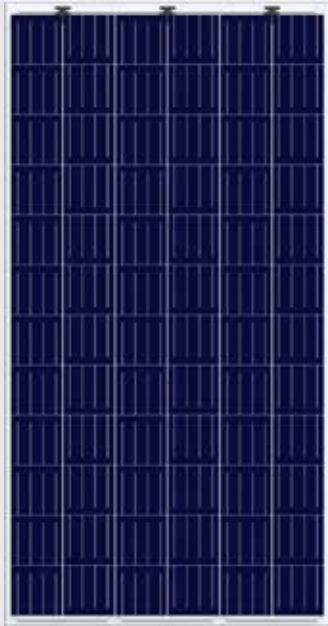


YGE  
G/G  
72CF



**18.5%**  
CELL EFFICIENCY

**10 YEAR**  
PRODUCT WARRANTY

**0-5W**  
POWER TOLERANCE

# DOUBLED STRENGTH FOR MULTIPLIED RELIABILITY

Whenever the conditions are requiring a more robust solution, our modules are the right choice. By the additional layer glass on the rear side, our modules are much more robust and reliable. Carefully chosen materials, state of the art solar cells and our experience in manufacturing ensure in addition the high product quality.

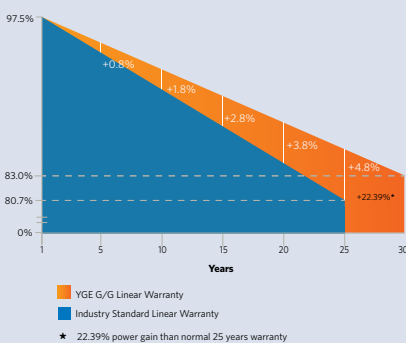
**+  $\frac{W}{m^2}$  High Power Density**  
High efficiency, multicrystalline silicon cells with high transmission and textured glass could minimize installation costs and maximize kWh output of your system per unit area.

**Extended Size**  
Our large-format module facilitates system-level cost savings through reduced handling and installation times.

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

**Mechanical Performance**  
No shading aluminium frames enhance the mechanical performance of modules and the installation efficiency of system.

## 30 Years Linear Warranty



### 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 72CF

## Electrical Performance

### Electrical parameters at Standard Test Conditions (STC)

| Module type             | YLxxxPG2536F-1 (xxx=Pmax) |   |         |      |      |      |      |      |
|-------------------------|---------------------------|---|---------|------|------|------|------|------|
| Power output            | $P_{max}$                 | W | 340     | 335  | 330  | 325  | 320  | 315  |
| Power output tolerances | $\Delta P_{max}$          | W | 0 / + 5 |      |      |      |      |      |
| Module efficiency       | $\eta_m$                  | % | 17.2    | 16.9 | 16.7 | 16.4 | 16.2 | 15.9 |
| Voltage at $P_{max}$    | $V_{mpp}$                 | V | 38.0    | 37.8 | 37.5 | 37.3 | 37.0 | 36.8 |
| Current at $P_{max}$    | $I_{mpp}$                 | A | 8.95    | 8.87 | 8.80 | 8.72 | 8.64 | 8.56 |
| Open-circuit voltage    | $V_{oc}$                  | V | 47.0    | 46.8 | 46.4 | 46.3 | 46.0 | 45.7 |
| Short-circuit current   | $I_{sc}$                  | A | 9.50    | 9.41 | 9.33 | 9.24 | 9.18 | 9.12 |

STC: 1000W/m<sup>2</sup> irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3.  
Average relative efficiency reduction of 3.3% at 200W/m<sup>2</sup> according to EN 60904-1.

### Electrical parameters at Nominal Operating Cell Temperature (NOCT)

|                       |           |   |       |       |       |       |       |       |
|-----------------------|-----------|---|-------|-------|-------|-------|-------|-------|
| Power output          | $P_{max}$ | W | 248.0 | 244.4 | 240.7 | 237.1 | 233.4 | 229.8 |
| Voltage at $P_{max}$  | $V_{mpp}$ | V | 34.6  | 34.4  | 34.2  | 34.0  | 33.8  | 33.6  |
| Current at $P_{max}$  | $I_{mpp}$ | A | 7.16  | 7.10  | 7.04  | 6.98  | 6.91  | 6.85  |
| Open-circuit voltage  | $V_{oc}$  | V | 43.4  | 43.2  | 42.8  | 42.8  | 42.5  | 42.2  |
| Short-circuit current | $I_{sc}$  | A | 7.68  | 7.61  | 7.54  | 7.47  | 7.42  | 7.37  |

NOCT: open-circuit module operation temperature at 800W/m<sup>2</sup> irradiance, 20°C ambient temperature, 1m/s wind speed.

## THERMAL CHARACTERISTICS

|                                      |                 |      |          |
|--------------------------------------|-----------------|------|----------|
| Nominal operating cell temperature   | NOCT            | °C   | 46 +/- 2 |
| Temperature coefficient of $P_{max}$ | $\gamma_{Pmax}$ | %/°C | -0.42    |
| Temperature coefficient of $V_{oc}$  | $\beta_{Voc}$   | %/°C | -0.32    |
| Temperature coefficient of $I_{sc}$  | $\alpha_{Isc}$  | %/°C | 0.05     |

## OPERATING CONDITIONS

|   |                     |
|---|---------------------|
| Max. system voltage                         | 1500V <sub>DC</sub> |
| 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        |

## CONSTRUCTION MATERIALS

|   |  |
|---|--|
| Front cover (material / thickness)                          | low-iron semi-tempered glass / 2.5mm×2                                 |
| Cell (quantity / material / dimensions / number of busbars) | 72 / multicrystalline silicon / 156.75mm x 156.75mm (+/-0.25) / 4 or 5 |
| Frame (material)  | anodized aluminum alloy  |
| Junction box (protection degree)                            | ≥ IP67   |
| Cable (length / cross-sectional area)                       | 200mm / 4mm <sup>2</sup>   |
| 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



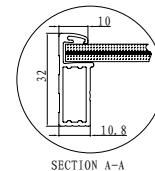
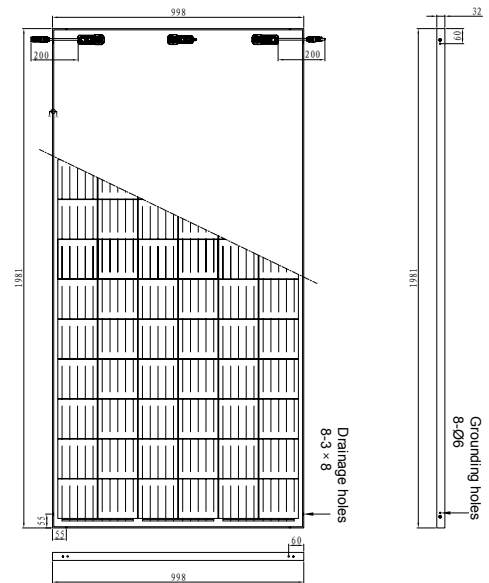
## GENERAL CHARACTERISTICS

|                        |                   |
|------------------------|-------------------|
| Dimensions (L / W / H) | 1981mm/998mm/32mm |
| Weight                 | 29.2kg            |

## PACKAGING SPECIFICATIONS

|                                      |                      |
|--------------------------------------|----------------------|
| Number of modules per pallet         | 32                   |
| Number of pallets per 40' container  | 22                   |
| Packaging box dimensions (L / W / H) | 2040mm/1160mm/1165mm |
| Pallet weight                        | 987kg                |

Unit: mm



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

Yingli Partners:



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