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.

**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.
**General Characteristics**

**Dimensions (L / W / H)**
- 1658mm / 992mm / 6mm

**Weight**
- 23kg

**Operating Conditions**

- **Max. system voltage**: 1500Vdc
- **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

**Thermal Characteristics**

- **Nominal operating cell temperature**: NOCT °C 46 +/- 2
- **Temperature coefficient of Pmax %/°C**: -0.42
- **Temperature coefficient of Voc %/°C**: -0.32
- **Temperature coefficient of Isc %/°C**: 0.05

**Emission**

- **Electrical Performance**

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

<table>
<thead>
<tr>
<th>Module type</th>
<th>YLxxxP/G330L-1 (xxx=Pmax)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power output Pmax W</td>
<td>285 280 275 270 265 260</td>
</tr>
<tr>
<td>Power output tolerances ΔPmax W</td>
<td>0 / + 5</td>
</tr>
<tr>
<td>Module efficiency nmax %</td>
<td>17.3 17.0 16.7 16.4 16.1 15.8</td>
</tr>
<tr>
<td>Voltage at Pmax Vmax V</td>
<td>31.4 31.2 31.0 30.7 30.5 30.3</td>
</tr>
<tr>
<td>Current at Pmax Imax A</td>
<td>9.08 8.98 8.90 8.80 8.70 8.59</td>
</tr>
<tr>
<td>Open-circuit voltage Voc V</td>
<td>38.0 38.0 37.9 37.9 37.8 37.7</td>
</tr>
<tr>
<td>Short-circuit current Isc A</td>
<td>9.51 9.43 9.35 9.27 9.18 9.09</td>
</tr>
</tbody>
</table>

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

  | Power output Pmax W | 207.9 204.2 200.6 196.9 193.3 189.7 |
  | Voltage at Pmax Vmax V | 28.6 28.4 28.2 28.0 27.8 27.6 |
  | Current at Pmax Imax A | 7.26 7.18 7.12 7.04 6.96 6.87 |
  | Open-circuit voltage Voc V | 35.1 35.1 35.0 35.0 34.9 34.8 |
  | Short-circuit current Isc A | 7.69 7.62 7.56 7.49 7.42 7.35 |

**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 / 4mm²
- **Plug connector (type / protection degree)**: RH 05-8 / IP67 or LSC-R1 / IP68 or LSC-R4 / IP68

**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

**Qualifications & Certificates**


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