Higher Durability
The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.

High Power Density
High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.

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.

Advanced Glass
Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.

Independently tested for proven product quality and long-term reliability. Millions of PV systems installed worldwide demonstrate Yingli’s industry leadership.

YINGLI SOLAR

Yingli Green Energy Holding Company Limited (NYSE: YGE), 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) 1960mm / 992mm / 40mm

Weight 22kg

**PACKAGING SPECIFICATIONS**

Number of modules per pallet 26

Number of pallets per 40' container 24

Packaging box dimensions (L / W / H) 1995mm / 1145mm / 1170mm

Box weight 616kg

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**ELECTRICAL PERFORMANCE**

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

<table>
<thead>
<tr>
<th>Module type</th>
<th>YLXXXP-35b (XXX=Pmax)</th>
<th>YLXXXP-35b 1500V (XXX=Pmax)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power output</td>
<td>$P_{max}$ W</td>
<td>345</td>
</tr>
<tr>
<td>Power output tolerances</td>
<td>$P_{nom}$ W</td>
<td>0/+5</td>
</tr>
<tr>
<td>Module efficiency</td>
<td>$n_{sc}$ %</td>
<td>17.7</td>
</tr>
<tr>
<td>Voltage at $P_{max}$</td>
<td>$V_{max}$ V</td>
<td>38.5</td>
</tr>
<tr>
<td>Current at $P_{max}$</td>
<td>$I_{max}$ A</td>
<td>8.97</td>
</tr>
<tr>
<td>Open-circuit voltage</td>
<td>$V_{oc}$ V</td>
<td>46.1</td>
</tr>
</tbody>
</table>

STC: 1000W/m² irradiance, 25°C cell 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 | 254.5 | 250.8 | 247.1 | 243.4 | 239.7 | 236.0 |
| Voltage at $P_{max}$ | $V_{max}$ V | 35.5 | 35.1 | 34.7 | 34.4 | 34.0 | 33.6 |
| Current at $P_{max}$ | $I_{max}$ A | 7.18 | 7.14 | 7.11 | 7.08 | 7.06 | 7.02 |
| Open-circuit voltage | $V_{oc}$ V | 42.9 | 42.7 | 42.5 | 42.4 | 42.2 | 42.1 |
| Short-circuit current | $I_{sc}$ A | 7.64 | 7.60 | 7.57 | 7.54 | 7.51 | 7.47 |

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 | 45 °C ± 2 |
| Temperature coefficient of $P_{max}$ | $\gamma$ %/°C | -0.39 |
| Temperature coefficient of $V_{max}$ | $\beta_{V}$ %/°C | -0.30 |
| Temperature coefficient of $I_{max}$ | $\alpha_{I}$ %/°C | 0.05 |

**OPERATING CONDITIONS**

Max. system voltage 1000Vdc/1500Vdc

Max. series fuse rating * 15A

Operating temperature range -40°C to 85°C

Max. static load, front (e.g., snow) 5400Pa

Max. static load, back (e.g., wind) 2400Pa

Max. hailstone impact (diameter / velocity) 25mm / 23m/s

*DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection

**CONSTRUCTION MATERIALS**

- Front cover (material / thickness): low-iron tempered glass / 3.2mm
- Cell (quantity / material / number of busbars): 72 / multicrystalline silicon / 12 or 5
- Frame (material): anodized aluminum alloy
- Junction box (protection degree): ≥ IP67
- Cable (length / cross-sectional area): 1100mm / 4mm²

**QUALIFICATIONS & CERTIFICATES**


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

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