Yingli Solar

Yingli Energy (China) 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.

IMPROVED POWER
NEVER SETTLE FOR LESS

Choosing the best P-type monocrystalline cells, YLM series modules are making the best out of your system. Trust in the expertise of Yingli and well proven technology.

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.

Half-cell Design
Less energy loss caused by shading due to new cell string layout and split J-box, and lower cell connection power loss due to half-cell design.

Optimized dimension
More flexibly in residential and commercial rooftop installation.

Yingli Solar

Yingli Solar® is a registered trademark of Yingli Solar Co., Ltd.

YINGLISOLAR.COM

22.8% CELL EFFICIENCY
12 YEAR PRODUCT WARRANTY
0 - 5 W POWER TOLERANCE

25 Years Linear Warranty
ELECTRICAL PERFORMANCE

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<tr>
<th>Module type</th>
<th>P_{m}</th>
<th>W</th>
<th>\Delta P_{m}</th>
<th>W</th>
<th>\eta_{m}</th>
<th>%</th>
<th>T_{rc}</th>
<th>°C</th>
<th>T_{sc}</th>
<th>°C</th>
<th>V_{oc}</th>
<th>V</th>
<th>I_{sc}</th>
<th>A</th>
<th>P_{mpp}</th>
<th>W</th>
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<tr>
<td>Power output</td>
<td>38.10</td>
<td>540</td>
<td>34.20</td>
<td>41.00</td>
<td>18.62</td>
<td>18.36</td>
<td>18.42</td>
<td>18.48</td>
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<tr>
<td>Power output tolerances</td>
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<td>540</td>
<td>34.20</td>
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<td>18.36</td>
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</table>
| THERMAL CHARACTERISTICS

Nominal operating cell temperature: 43 x 2
Temperature coefficient of P_{m}: -0.34
Temperature coefficient of V_{oc}: -0.25
Temperature coefficient of I_{sc}: 0.04

OPERATING CONDITIONS

Max. system voltage: 1000V_{oc}/1500V_{sc}
Max. series fuse rating: 30A
Max. static load, front (e.g., snow): 5400Pa
Max. static load, back (e.g., wind): 2400Pa
Max. hailstone impact (diameter / velocity): 25mm / 23m/s

CONSTRUCTION MATERIALS

Front cover (material / thickness): low-iron tempered glass / 3.2mm
Cell (quantity / material): 120/ monocrystalline silicon
Frame (material): anodized aluminum alloy
Junction box (protection degree): IP67
Cable (length / cross-sectional area): 300mm / 4mm²

QUALIFICATIONS & CERTIFICATES


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