Designed specially for rooftops

Integrates with roofing surface
- No mounting hardware
- No roof penetrations
- No wind load
- Low profile

Flexible module
- Fits many roof types
- Durable, non-breakable

Light weight
- 3.3 kg/m² (0.68 lb/ft²) with adhesive

More energy per roof

High efficiency CIGS
- 11.4% to 12.7% aperture efficiency
- 50% more efficient than flexible a-Si

High performance
- Performs in all light conditions
- Shade tolerant

Covers entire roof area
- Lays flat. No tilt required
- Minimum module spacing required

Lower installed system costs

Large format module in six power outputs
- 90-300 Watts
- 0.49m width x lengths of 2.0, 3.9 or 5.7m
- 30% to 40% savings in BOS & installation costs

How PowerFLEX™ BIPV compares

<table>
<thead>
<tr>
<th>Location: Munich</th>
<th>Fixed Area Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Generated (kW)</td>
<td>PowerFLEX™ BIPV</td>
</tr>
<tr>
<td></td>
<td>10%</td>
</tr>
<tr>
<td>Energy Produced (kWh)</td>
<td>PowerFLEX™ BIPV</td>
</tr>
<tr>
<td></td>
<td>14%</td>
</tr>
<tr>
<td>Cost of Installation &amp; BOS</td>
<td>PowerFLEX™ BIPV</td>
</tr>
<tr>
<td></td>
<td>14%</td>
</tr>
</tbody>
</table>

More power per roof with lower BOS & installation costs
PowerFLEX™ BIPV 90/100/185/200/275/300W

Operating Conditions

Temperature Range
-40°C to + 85°C

Maximum System Voltage
1000VDC IEC, 600VDC UL

Certifications and Warranty*

EN 61646, EN 61730, UL 1703

Materials and workmanship - 5 years
Power output - 25 years (90% @ 10 yrs; 80% @ 25 yrs) Limited Warranty

*Contact GSE for complete warranty terms

Global Solar® is a leading manufacturer of Copper Indium Gallium diSelenide (CIGS) thin-film solar on a flexible substrate. With a plant in Tucson (Arizona, USA), Global Solar® operates with a total of 40MW of production capacity. An average cell efficiency above 12.5% makes the company the world leader in CIGS efficiency on flexible substrate in large scale production. Sold worldwide in multiple applications, including flexible laminates, solar shingles and portable chargers.

Call Global Solar® to find out if PowerFLEX™ BIPV is right for you.

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Doc No. 1000635 rev B