GermanSolar USA, Inc. 701 Palomar Airport Road, Suite 300  
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Module Fire Performance  
TYPE 1 (UL 1703)  
CLASS C (IEC61730)

German Solar USA
THE PARTNER FOR YOUR SOLAR LIFETIME!
www.germansolarusa.com

PowerLine Supreme  
Black/Silver

German Solar Only uses premium materials. To eliminate the possibility of hotspot formation thoroughly, strict control criteria mandate a thermal picture of each cell before and after processing.

25-year linear performance warranty
Our 25-year linear performance warranty covers for power loss less than 3% in the first year and only 0.35% degradation per year thereafter.

12-year product warranty
Up to 4.99 W more power performance with positive cell-sorting to guarantee higher yield

1000V UL
High quality j-box with connectors for long-time durability

PID FREE
Potential induced degradation (PID) Free

100% Effective hotspot-prevention processes with micro crack inspection ensure durability

More power due to better power tolerance: ±3%

Better performance in diffused sunlight and high temperature

High ammonia and salt mist resistance certified

Glass with anti-reflective coating

Individual testing and surveying, quality assurance by permanent production control incl. EL-test

UV stabilized, aesthetically pleasing black anodized frame

PowerLine
Made for America
250W, 255W, 260W, 265W, 270W
60-Cell Mono – Crystaline

25-Year Linear Performance Warranty

Year 0 10 25

GermanSolar - linear performance warranty
Standard Warranty

100%
97%
95%
90%
85%
80%
75%

Year
### Module Type GSP6 250/255/260/265/270W

#### Electrical parameters at STC

<table>
<thead>
<tr>
<th>Item</th>
<th>250W</th>
<th>255W</th>
<th>260W</th>
<th>265W</th>
<th>270W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax)(W)</td>
<td>250W</td>
<td>255W</td>
<td>260W</td>
<td>265W</td>
<td>270W</td>
</tr>
<tr>
<td>Power Tolerance (W)</td>
<td>0±5W</td>
<td>0±5W</td>
<td>0±5W</td>
<td>0±5W</td>
<td>0±5W</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)(V)</td>
<td>37.5</td>
<td>37.8</td>
<td>38</td>
<td>38.3</td>
<td>38.5</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)(A)</td>
<td>8.85</td>
<td>8.95</td>
<td>9.01</td>
<td>9.2</td>
<td>9.31</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp)(V)</td>
<td>30.1</td>
<td>30.5</td>
<td>30.7</td>
<td>30.8</td>
<td>31.1</td>
</tr>
<tr>
<td>Module Efficiency (%)</td>
<td>15.3</td>
<td>15.6</td>
<td>15.9</td>
<td>16.2</td>
<td>16.5</td>
</tr>
<tr>
<td>Temperature Coefficient Voc</td>
<td>-0.33%/K</td>
<td>+0.05%/K</td>
<td>-0.43%/K</td>
<td>+30%/K</td>
<td>-0.5%/K</td>
</tr>
<tr>
<td>Temperature Coefficient Isc</td>
<td>+30%/K</td>
<td>-0.43%/K</td>
<td>+30%/K</td>
<td>-0.43%/K</td>
<td>+30%/K</td>
</tr>
<tr>
<td>Nominal Operating Cell Temp.</td>
<td>45±2</td>
<td>45±2</td>
<td>45±2</td>
<td>45±2</td>
<td>45±2</td>
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<tr>
<td>Max Series Fuse (A)</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
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<tr>
<td>Insulation (MO)</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
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<tr>
<td>Wind Bearing (Pa)</td>
<td>≤5400</td>
<td>≤5400</td>
<td>≤5400</td>
<td>≤5400</td>
<td>≤5400</td>
</tr>
<tr>
<td>Pressure Bearing (Pa)</td>
<td>≤2400</td>
<td>≤2400</td>
<td>≤2400</td>
<td>≤2400</td>
<td>≤2400</td>
</tr>
</tbody>
</table>

#### Mechanical Ratings

- Suction pressure and load of 50 lb/ft² (2400 Pa) approved (Wind speed 81 mph (130 km/h) with safety factor 3), load of 5400 Pa approved
- Certification: IEC 61215 : 2005, IEC 61730 -1/-2 : 2004, DLG Focus Test (ammonia resistant), UL 1703 approved ETL, UL 1703 : Type 1 Fire-Rating, UNI 9177 Class 1, EN 13501- 1 Class E

#### Performance Warranty

- 25 years, according to the Warranty Conditions of GermanSolar Linear Warranty

### NOCT**

| 45°C ±2°C |

- Module efficiency reduction at 200 W/m²*** -0.6 (±0.3)% abs

#### Positive Sorting

- 0 Wp / +4.99 Wp

#### I-V Curves

- Current-Voltage and Power-Voltage Curves at Different Irradiances
- Current-Voltage Curves at Different Temperatures