Helios Solar Works manufactures high-performance mono-crystalline solar modules for solar electric systems. We use only high-quality components and an advanced, automated manufacturing platform to offer modules that deliver higher efficiency, lower installation costs, and a smaller system footprint.

Helios Solar Works is headquartered in Milwaukee, Wisconsin. We manufacture our modules using materials sourced from regional and U.S. suppliers whenever possible.

**CATEGORY**
Mono-crystalline Solar (60 Cell)

**CHARACTERISTICS**
- Dimension: 1,680 mm x 990 mm (66.14" x 38.98")
- Area: 1.66 m² (17.87 Sq Ft)
- Thickness: 40 mm (1.58")
- Weight: 22.5 kg (49.5 lbs)

**OUTPUT CLASSES**
255, 250, 245, 240

**WARRANTY**
25-year limited power warranty
- Year 1-10: 90 percent
- Year 11-25: 80 percent
- 10-year workmanship warranty

Helios USA, LLC
1207 W. Canal Street, Milwaukee, WI 53233
www.helioskosolarworks.com

sales@helios-usa.com
877.443.5467 ext. 11
### Electrical Data STC

<table>
<thead>
<tr>
<th></th>
<th>6T 255</th>
<th>6T 250</th>
<th>6T 245</th>
<th>6T 240</th>
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</thead>
<tbody>
<tr>
<td>Rated Power PMPP (W)</td>
<td>255</td>
<td>250</td>
<td>245</td>
<td>240</td>
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<tr>
<td>MPP Voltage (V)</td>
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<td>MPP Current (A)</td>
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<td>8.71</td>
<td>8.70</td>
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</table>

Measured at (STC) Standard Test Conditions 25°C, insolation 1,000 W/m², AM 1.5.

### Electrical Data NOCT

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
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<td>Rated Power PMPP (W)</td>
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<td>MPP Voltage (V)</td>
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<td>MPP Current (A)</td>
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<tr>
<td>Open Circuit Voltage (V)</td>
<td>34.60</td>
<td>34.50</td>
<td>34.40</td>
<td>34.30</td>
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<tr>
<td>Short Circuit Current (A)</td>
<td>7.30</td>
<td>7.25</td>
<td>7.20</td>
<td>7.15</td>
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</tbody>
</table>

Nominal Operating Cell Temperature (NOCT) values are typical values, 45°C.

Typical cell temperature: insolation 800W/m², ambient temperature 20°C, wind speed 1m/s.

### Other Electrical Parameters

- System Voltage (V) = 600/1,000
- Temp. Coefficient PMPP (% / °C) = -0.44
- Temp. Coefficient ISC (% / °C) = 0.07
- Temp. Coefficient UOC (% / °C) = -0.34

### Design

- Cells = 60 mono-crystalline, 3 bus bar
- Cell Dimensions = 156 mm x 156 mm, pseudo-square
- Front glass = 4mm solar glass, highly transparent and anti-reflective
- Encapsulation = EVA - Solar Cells - EVA
- Backside = Multilayer sheet
- Frame = Anodized aluminum (clear) or Black powder coated
- Connection = 2 x 1.2 m solar cables with multi-contact connectors (MC4)
- Bypass Diodes = 3 pieces

### Limit Values

- Module Temperature -40°C to +80°C

### Qualifications

- IEC 61215, IEC 61730, UL/ORD-C1703-01, CEC, FSEC

### Warranty

- 25 year limited power warranty; 90 percent for 10 years, 80 percent for 15 years. Also 10 years workmanship.

### Performance Output

- -0/+3 percent