**Multi Crystalline Solar Module 400-430 Wp**

**Temperature Coefficients**
- Voltage: -0.31% / °C
- Current: 0.035% / °C
- Power: -0.129% / °C
- N.D.C. Avg: 15 °C ± 3

**Limits**
- Max System Voltage: DC 1000V
- Operating Module Temperature: -40°C to +60°C (-40°F to 140°F)
- Storm Resistance/Static Load: Tested to IEC61701 for loads up to 5kW/m² (13psf)
  - hail and wind resistant

**Warranty** - 10 years - 90%, 10 years - 80%, 25 years

**Mechanical Characteristics**
- Solar cells: 96 PCS of 6"Multi-crystalline
- Front cover: Low iron tempered glass 4.0mm (0.157in)
- Back cover: White polyester
- Frame: Silver anodized aluminum alloy (40mm)
- Cable & Connectors: 12 AWG(4mm²) cables with polarized weatherproof connectors, cable length 1.25m (49.21in)
- Junction box: NEMA IP67 rated; 4 internal bypass diodes
- Dimensions: 1960 (77.16in) X 1308 (51.50in) X 40mm (1.57in)
- Approximate Weight: 35kg (77.16lbs)

**Electrical Specification**

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<tbody>
<tr>
<td>Nominal power[Wp] - Pmpp</td>
<td>400</td>
<td>405</td>
<td>410</td>
<td>415</td>
<td>420</td>
<td>425</td>
<td>430</td>
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<tr>
<td>Voltage at nominal power[V] - Vmpp</td>
<td>49.27</td>
<td>49.45</td>
<td>49.64</td>
<td>49.82</td>
<td>49.94</td>
<td>50.24</td>
<td>50.53</td>
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<td>Current at nominal power[A] - Impp</td>
<td>8.12</td>
<td>8.19</td>
<td>8.26</td>
<td>8.33</td>
<td>8.41</td>
<td>8.46</td>
<td>8.51</td>
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<td>Open-circuit voltage[V] - Voc</td>
<td>61.10</td>
<td>61.36</td>
<td>61.62</td>
<td>61.88</td>
<td>62.06</td>
<td>62.47</td>
<td>62.82</td>
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<td>Short-circuit current[A] - Isc</td>
<td>8.62</td>
<td>8.69</td>
<td>8.76</td>
<td>8.83</td>
<td>8.91</td>
<td>8.96</td>
<td>9.01</td>
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<tr>
<td>Module efficiency level[%]</td>
<td>15.6%</td>
<td>15.8%</td>
<td>16.0%</td>
<td>16.2%</td>
<td>16.4%</td>
<td>16.6%</td>
<td>16.8%</td>
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Performance under standard test conditions (STC): 1000W/m², 25°C, AM 1.5 / Output tolerance[%] 0→3%