ReneSola

125 Series Monocrystalline Solar Module
190W, 195W, 200W, 205W

High Module Conversion Efficiencies

Easy Installation and Handling for Various Applications

Mechanical Load Capability of up to 5400 Pa


ISO9001, OHSAS18001, ISO14001 Certified

Application Class A, Safety Class II, Fire Rating C

Guaranteed

Performance Figures in %

YEAR

Added Value

10-year
material & workmanship

25-year
linear power output


ISO9001, OHSAS18001, ISO14001 Certified

Application Class A, Safety Class II, Fire Rating C

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Application Class A, Safety Class II, Fire Rating C

Guaranteed

Performance Figures in %

YEAR
### Dimensions

- **Cell Type**: Glass
- **Frame**: Frame
- **Junction Box**: Junction Box
- **Dimension**:
  - 125 x 125 mm Monocrystalline, 72 (6x12) pcs in series
- **Output Cable**: 4 mm² (EU)/12 AWG (US), 1000 mm
- **Weight**: 16 Kg
- **Installation Hole Location**: See Drawing Above

### I-V Curves

### Varied Irradiation Efficiencies

<table>
<thead>
<tr>
<th>Irradiance</th>
<th>200W/m²</th>
<th>400W/m²</th>
<th>600W/m²</th>
<th>800W/m²</th>
<th>1000W/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Efficiency</td>
<td>15.7%</td>
<td>16.1%</td>
<td>16.2%</td>
<td>16.2%</td>
<td>16.1%</td>
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### Electrical Characteristics STC

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax)</td>
<td>190 W</td>
<td>195 W</td>
<td>200 W</td>
<td>205 W</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0 ~ +5W</td>
<td>0 ~ +5W</td>
<td>0 ~ +5W</td>
<td>0 ~ +5W</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>14.9%</td>
<td>15.3%</td>
<td>15.7%</td>
<td>16.1%</td>
</tr>
<tr>
<td>Maximum Power Current (Imp)</td>
<td>5.19 A</td>
<td>5.32 A</td>
<td>5.41 A</td>
<td>5.51 A</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp)</td>
<td>36.6 V</td>
<td>36.7 V</td>
<td>37.1 V</td>
<td>37.2 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>5.49 A</td>
<td>5.61 A</td>
<td>5.70 A</td>
<td>5.79 A</td>
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<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>44.9 V</td>
<td>45.0 V</td>
<td>45.3 V</td>
<td>45.4 V</td>
</tr>
</tbody>
</table>

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

### Electrical Characteristics NOCT

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax)</td>
<td>140 W</td>
<td>144 W</td>
<td>147 W</td>
<td>151 W</td>
</tr>
<tr>
<td>Maximum Power Current (Imp)</td>
<td>4.13 A</td>
<td>4.22 A</td>
<td>4.27 A</td>
<td>4.36 A</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp)</td>
<td>34.0 V</td>
<td>34.2 V</td>
<td>34.5 V</td>
<td>34.6 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>4.42 A</td>
<td>4.52 A</td>
<td>4.60 A</td>
<td>4.66 A</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>42.1 V</td>
<td>42.3 V</td>
<td>42.4 V</td>
<td>42.6 V</td>
</tr>
</tbody>
</table>

Values at Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

### Mechanical Characteristics

- **Cell Type**: 125 x 125 mm Monocrystalline, 72 (6x12) pcs in series
- **Glass**: High Transmission, Low Iron, Tempered Glass
- **Frame**: Anodized Aluminum Alloy
- **Junction Box**: IP65/IP67 rated, with bypass diodes
- **Dimension**: 1580 x 808 x 35 mm
- **Output Cable**: 4 mm² (EU)/12 AWG (US), 1000 mm
- **Weight**: 16 Kg

### Characteristics

- **Temperature Coefficient of Voc**: -0.31%/°C
- **Temperature Coefficient of Isc**: 0.03%/°C
- **Temperature Coefficient of Pmax**: -0.43%/°C
- **Nominal Operating Cell Temperature (NOCT)**: 45°C ± 2°C

### Packing Information

- **Container**: 20’ GP, 40’ GP, 40’ HQ
- **Pallets per Container**: 12, 28, 28
- **Pieces per Container**: 372, 868, 952

### Maximum Ratings

- **Operating Temperature**: -40°C ~ +85°C
- **Maximum System Voltage**: 1000VDC (EU) / 600VDC (US)
- **Maximum Series Fuse Rating**: 15A (EU) / 10A (US)