Mission Solar Energy is headquartered in San Antonio, Texas where we manufacture our modules. We produce American, high-quality solar modules ensuring the highest-in-class power output and best-in-class reliability. Our product line is tailored for residential, commercial and utility applications. Every Mission Solar Energy solar module is certified and surpasses industry standard regulations, proving excellent performance over the long term.

Demand the best. Demand Mission Solar Energy.

Certified Reliability
- Tested to UL 61730 & IEC Standards
- PID resistant
- Resistance to salt mist corrosion

Advanced Technology
- 9 Busbar
- Passivated Emitter Rear Contact
- Ideal for all applications

Extreme Weather Resilience
- Up to 5,400 Pa front load & 3,600 Pa back load
- Tested load to UL 61730
- 40 mm frame

BAA Compliant for Government Projects
- Buy American Act
- American Recovery & Reinvestment Act

If you have questions or concerns about certification of our products in your area, please contact Mission Solar Energy.

C-5A2-MKTG-0027  REV 4  03/18/2022
www.missionsolar.com  |  info@missionsolar.com

CERTIFICATIONS

UL 61730 / IEC 61215 / IEC 61730 / IEC 61701
Class Leading
390-400W

Mission Solar Energy reserves the right to make specification changes without notice.

www.missionsolar.com | info@missionsolar.com

ELECTRICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRODUCT TYPE</th>
<th>MSEXXX9XR (XXX = P_max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output</td>
<td>P_max Wp</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>%  390 395 400</td>
</tr>
<tr>
<td>Tolerance</td>
<td>% 0/+3 0/+3 0/+3</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_sc A 11.19 11.24 11.31</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>V_oc V 45.04 45.18 45.33</td>
</tr>
<tr>
<td>Rated Current</td>
<td>I_mp A 10.63 10.68 10.79</td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>V_mp V 36.68 36.99 37.07</td>
</tr>
<tr>
<td>Fuse Rating</td>
<td>A 20 20 20</td>
</tr>
<tr>
<td>System Voltage</td>
<td>V 1,000 1,000 1,000</td>
</tr>
</tbody>
</table>

TEMPERATURE COEFFICIENTS

- Normal Operating Cell Temperature (NOCT) 43.75°C (±3.7%)
- Temperature Coefficient of Pmax -0.367%/°C
- Temperature Coefficient of Voc -0.259%/°C
- Temperature Coefficient of Isc 0.033%/°C

OPERATING CONDITIONS

- Maximum System Voltage 1,000Vdc
- Operating Temperature Range -40°F to 185°F (-40°C to +85°C)
- Maximum Series Fuse Rating 20A
- Fire Safety Classification Type 1*
- Front & Back Load (UL Standard) Up to 5,400 Pa front and 3,600 Pa back load, Tested to UL 61730
- Hail Safety Impact Velocity 25mm at 23 m/s

MECHANICAL DATA

- Solar Cells P-type mono-crystalline silicon
- Cell Orientation 66 cells (6x11)
- Module Dimension 1,907mm x 1,054mm x 40mm
- Weight 48.5 lbs. (22 kg)
- Front Glass 3.2mm tempered, low-iron, anti-reflective
- Frame 40mm Anodized
- Encapsulant Ethylene vinyl acetate (EVA)
- Junction Box Protection class IP67 with 3 bypass-diodes
- Cable 1.2m, Wire 4mm² (12AWG)
- Connector Staubli PV-KBT4/6II-UR and PV-KST4/6II-UR, Renhe 05-8

CERTIFICATIONS AND TESTS

- IEC 61215, 61730, 61701
- UL 61730

CURREN-VOLTAGE CURVE

MSE385SX9R: 385WP, 66 CELL SOLAR MODULE

Current-voltage characteristics with dependence on irradiance and module temperature

CURRENT-VOLTAGE CURVE

- Cells Temp. =25°C
- Irradiance: 1000 W/m², 800 W/m², 600 W/m², 400 W/m², 200 W/m²

CERTIFICATIONS AND TESTS

| IEC | 61215, 61730, 61701 |
| UL | 61730 |

SHIPPING INFORMATION

- Container Feet Ship To Pallet Panels 390W Bin
- 53° Most States 30 780 304.20 kW
- Double Stack CA 26 676 263.64 kW

PALLET [26 PANELS]

<table>
<thead>
<tr>
<th>Weight</th>
<th>Height</th>
<th>Width</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,300 lbs. (572 kg)</td>
<td>47.56 in (120.80 cm)</td>
<td>46 in (116.84 cm)</td>
<td>77 in (195.58 cm)</td>
</tr>
</tbody>
</table>