JT SGh 525-545W
Monocrystalline Solar Module
144 Cells / Mono PERC / 1500V DC / 21.1% Maximum Efficiency

KEY FEATURES
- Higher module conversion efficiency
  Maximize limited space with high efficiency mono PERC cells
  Half-cell design, lower Rs loss, lower hot spot temperature
- Highly reliable due to stringent quality control
  100% EL double inspection
  In-house testing goes well beyond certification requirements
- Excellent low light performance
  Excellent low light performance on cloudy days
  mornings and evenings
- Certified to withstand the most challenging environment
  2400 Pa wind load • 5400 Pa snow load • 25 mm hail stones at 82 km/h
- High system voltage compatible
  Maximum 1500V DC system voltage saves total system cost
- IP68 junction box
  High waterproof level for long term weather endurance

QUALIFICATIONS & CERTIFICATES
- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- OHSAS 18001: Occupational Health and Safety
- IEC TS 62941: Design and Manufacture of Crystalline Silicon Photovoltaic Modules

WARRANTY
- 12 years Product Warranty
- 25 years Performance Warranty

JETION SOLAR
As a member of CNBM - a Fortune 500 company, Jetion Solar provides various product solutions, global EPC service and financing. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. Till now, Jetion Solar has cumulatively more than 10 GW module shipment and 1 GW global EPC track records.

Additional Value From Jetion Solar’s Linear Warranty

<table>
<thead>
<tr>
<th>Years</th>
<th>Industry Standard</th>
<th>Jetion Solar</th>
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<tbody>
<tr>
<td>5</td>
<td>100%</td>
<td>97.5%</td>
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<tr>
<td>10</td>
<td>90%</td>
<td>89.5%</td>
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<tr>
<td>15</td>
<td>83.1%</td>
<td>83.1%</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
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<tr>
<td>25</td>
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**IV CURVES**

IV Curves of JT540SGh at different irradiances

IV Curves of JT540SGh at different Temp

**ELECTRICAL DATA *NMOT**

<table>
<thead>
<tr>
<th>Type</th>
<th>JT525SGh</th>
<th>JT530SGh</th>
<th>JT535SGh</th>
<th>JT540SGh</th>
<th>JT545SGh</th>
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</thead>
<tbody>
<tr>
<td>Maximum Power Pmax (W)</td>
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<td>395.65</td>
<td>399.25</td>
<td>403.26</td>
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<td>Maximum Power Voltage Vmp (V)</td>
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<tr>
<td>Open Circuit Voltage Voc (V)</td>
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<td>49.6</td>
<td>49.8</td>
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<tr>
<td>Short Circuit Current Isc (A)</td>
<td>13.63</td>
<td>13.75</td>
<td>13.80</td>
<td>13.86</td>
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</tr>
<tr>
<td>Module Efficiency (%)</td>
<td>20.3%</td>
<td>20.7%</td>
<td>20.9%</td>
<td>21.1%</td>
<td></td>
</tr>
</tbody>
</table>

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

Measuring tolerance: ±3%

**ELECTRICAL DATA *STC**

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<td>Short Circuit Current Isc (A)</td>
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<td>13.75</td>
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**MECHANICAL DATA**

Solar Cell Type
Mono 91 x 182 mm (3.6 x 7.2 inches)

Number of Cells
144 (2 x (12 x 6))

Module Dimensions
2279 x 1134 x 35 mm (89.7 x 44.6 x 1.4 inches)

Weight
29.0 kg (63.9 lb)

Front Cover
3.2 mm (0.13 inches), high transmission, AR coated tempered glass

Back Cover
White composite film

Frame
Silver, anodized aluminium alloy

J-Box
≥ IP68

Cable
4.0 mm² solar cable, 150/300 mm (5.9/11.8 inches)

Number of diodes
3

Connector
MC4 EVO2 compatible

**PACKAGING CONFIGURATION**

Module per pallet
30 pieces

Module per 40’HQ container
20 pallets, 600 pieces

*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jetion Solar (China) Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. Jetion Solar_REV_2021_04_EN