**Mono**

**390W MBB Half-Cell Module**

JAM60S20 365-390/MR/1000V Series

**Introduction**

Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

- Higher output power
- Lower LCOE
- Less shading and lower resistive loss
- Better mechanical loading tolerance

**Superior Warranty**

- 12-year product warranty
- 25-year linear power output warranty

**Comprehensive Certificates**

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
**JAM60S20 365-390/MR/1000V**

**MECHANICAL DIAGRAMS**

**SPECIFICATIONS**

- **Cell**: Mono
- **Weight**: 20.7kg±3%
- **Dimensions**: 1776±2mm×1052±2mm×35±1mm
- **Cable Cross Section Size**: 4mm² (IEC)
- **No. of cells**: 120(6×20)
- **Junction Box**: IP88, 3 diodes
- **Connector**: Genuine MC4 QC4.10
- **Cable Length (Including Connector)**: Portrait:300mm(+)400mm(-)
  Landscape:1000mm(+)1000mm(-)
- **Country of Manufacturer**: China/Vietnam

**ELECTRICAL PARAMETERS AT STC**

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<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>365</td>
<td>370</td>
<td>375</td>
<td>380</td>
<td>385</td>
<td>390</td>
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<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>41.13</td>
<td>41.30</td>
<td>41.45</td>
<td>41.52</td>
<td>41.78</td>
<td>41.94</td>
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<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>33.96</td>
<td>34.23</td>
<td>34.50</td>
<td>34.77</td>
<td>35.04</td>
<td>35.33</td>
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<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>11.30</td>
<td>11.35</td>
<td>11.41</td>
<td>11.47</td>
<td>11.53</td>
<td>11.58</td>
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<tr>
<td>Module Efficiency [%]</td>
<td>19.5</td>
<td>19.8</td>
<td>20.1</td>
<td>20.3</td>
<td>20.6</td>
<td>20.9</td>
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<tr>
<td>Power Tolerance</td>
<td>0~5W</td>
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<tr>
<td>Temperature Coefficient of Isc (α_iisc)</td>
<td>+0.044%/°C</td>
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<tr>
<td>Temperature Coefficient of Voc (β_voc)</td>
<td>-0.272%/°C</td>
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<tr>
<td>Temperature Coefficient of Pmax (y_pmp)</td>
<td>-0.350%/°C</td>
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**STC**

- Irradiance 1000W/m², cell temperature 25°C, AM1.5G

**ELECTRICAL PARAMETERS AT NOCT**

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<tr>
<td>Rated Max Power (Pmax) [W]</td>
<td>276</td>
<td>280</td>
<td>284</td>
<td>287</td>
<td>291</td>
<td>295</td>
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<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>38.41</td>
<td>38.65</td>
<td>38.89</td>
<td>39.14</td>
<td>39.38</td>
<td>39.63</td>
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<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>32.05</td>
<td>32.30</td>
<td>32.55</td>
<td>32.72</td>
<td>32.96</td>
<td>33.20</td>
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<tr>
<td>Max Power Current (Imp) [A]</td>
<td>8.61</td>
<td>8.66</td>
<td>8.71</td>
<td>8.76</td>
<td>8.83</td>
<td>8.88</td>
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<tr>
<td>NOCT</td>
<td>Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G</td>
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**OPERATING CONDITIONS**

- Maximum System Voltage: 1000V DC
- Operating Temperature: -40°C~+85°C
- Maximum Series Fuse: 20A
- Maximum Static Load, Front: 3600Pa, 1.5
- Maximum Static Load, Back: 1600Pa, 1.5
- NOCT: 45±2°C
- Safety Class: Class II

**CHARACTERISTICS**

**CURRENT-VOLTAGE CURVE**

**POWER-VOLTAGE CURVE**

**CURVE-VOLTAGE CURVE**

**Premium Cells, Premium Modules**

**Version No.: Global_EN_20200530A**