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
**OPERATING CONDITIONS**

- **Maximum System Voltage**: 1000V DC (IEC)
- **Operating Temperature**: -40°C ~ +65°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600Pa, 1.5
- **Maximum Static Load, Back**: 1600Pa, 1.5
- **NOCT**: 45±2°C
- **Application Class**: Class A

**SPECIFICATIONS**

- **Cell**: Mono
- **Weight**: 22.7kg±3%
- **Dimensions**: 2015±2mm×996±2mm×40±1mm
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 144 (6×24)
- **Cable Length (Including Connector)**: Portrait:300mm(+)/400mm(−); Landscape:1200mm(+)/1200mm(−)
- **Connector**: PV-KBT4/6ll(female), PV-KST4/6ll(male)
- **QC4.10**
- **Country of Manufacturer**: China/Vietnam

**ELECTRICAL PARAMETERS AT STC**

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>400</td>
<td>405</td>
<td>410</td>
<td>415</td>
<td>420</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>49.58</td>
<td>49.86</td>
<td>50.12</td>
<td>50.41</td>
<td>50.70</td>
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<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>41.33</td>
<td>41.60</td>
<td>41.88</td>
<td>42.18</td>
<td>42.47</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>10.33</td>
<td>10.39</td>
<td>10.45</td>
<td>10.51</td>
<td>10.56</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>19.9</td>
<td>20.2</td>
<td>20.4</td>
<td>20.7</td>
<td>20.9</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0~+5W</td>
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</tr>
<tr>
<td>Temperature Coefficient of Isc (α_Isc)</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 (γ_Pmp)</td>
<td>-0.350%/°C</td>
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</tbody>
</table>

**ELECTRICAL PARAMETERS AT NOCT**

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

- **Measurement tolerance at STC**: Pmax ±3 %, Voc ±2% and Isc ±4%.

**CHARACTERISTICS**

|-----------------------|------------------------|---------------------|------------------------|-----------------------|------------------------|

- **Grounding Holes**: 10 Places
- **Mounting Holes**: 8 Places
- **Draining holes**: 8 Places
- **Mounting Holes for NexTracker**: 4 Places
- **Label**: Enlarge view of mounting hole (10:1)
- **Country of Manufacturer**: China/Vietnam
- **Measurement tolerance at STC**: Pmax ±3 %, Voc ±2% and Isc ±4%.

*For NexTracker installations static loading performance: front load measures 2400Pa, while back load measures 2400Pa.*