REC ALPHA Black Series
PRODUCT SPECIFICATIONS

375 WP
19.9 W/ft²

25 YEAR PRO TRUST WARRANTY
ELIGIBLE

SOLAR’S MOST TRUSTED

EXPERIENCE PERFORMANCE

REC Solar Award 2020 WINNER
### GENERAL DATA

- **Cell type:** 120 half-cut cells with REC heterojunction cell technology
- **Connectors:** Stäubli MC4PV-KBT4/KST4.12 AWG (4mm²) in accordance with IEC 62852 IP68 only when connected
- **Glass:** 0.13 in (3.2 mm) solar glass with anti-reflection surface treatment
- **Backsheet:** Highly resistant polymeric construction (black)
- **Frame:** Anodized aluminum (black)
- **Junction box:** 3-part, 3 bypass diodes, IP68 rated in accordance with EN 50618

### ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Power Output - P&lt;sub&gt;max&lt;/sub&gt; (Wp)</th>
<th>355</th>
<th>365</th>
<th>370</th>
<th>375</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watt Class Sorting - (W)</td>
<td>-0/+5</td>
<td>-0/+5</td>
<td>-0/+5</td>
<td>-0/+5</td>
</tr>
<tr>
<td>Nominal Power Voltage - V&lt;sub&gt;mp&lt;/sub&gt; (V)</td>
<td>36.4</td>
<td>36.7</td>
<td>37.1</td>
<td>37.4</td>
</tr>
<tr>
<td>Nominal Power Current - I&lt;sub&gt;mp&lt;/sub&gt; (A)</td>
<td>7.89</td>
<td>8.92</td>
<td>9.85</td>
<td>9.90</td>
</tr>
<tr>
<td>Open Circuit Voltage - V&lt;sub&gt;oc&lt;/sub&gt; (V)</td>
<td>43.6</td>
<td>43.9</td>
<td>44.0</td>
<td>44.1</td>
</tr>
<tr>
<td>Short Circuit Current - I&lt;sub&gt;sc&lt;/sub&gt; (A)</td>
<td>10.47</td>
<td>10.49</td>
<td>10.52</td>
<td>10.55</td>
</tr>
<tr>
<td>Power Density (W/sq ft)</td>
<td>18.9</td>
<td>19.1</td>
<td>19.4</td>
<td>19.7</td>
</tr>
<tr>
<td>Panel Efficiency (%</td>
<td>20.3</td>
<td>20.6</td>
<td>20.9</td>
<td>21.2</td>
</tr>
</tbody>
</table>

### TEMPERATURE RATINGS

- **Nominal Module Operating Temperature:** 44°C (±2°C)
- **Temperature coefficient of P<sub>max</sub>:** -0.26%/°C
- **Temperature coefficient of V<sub>oc</sub>:** -0.24%/°C
- **Temperature coefficient of I<sub>mp</sub>:** 0.04%/°C

The temperature coefficients stated are linear values.

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC.

### WARRANTY

**Installed by an REC Certified Solar Professional**
- **System Size:** All
- **Product Warranty (yrs):** 20, 25, 25
- **Power Warranty (yrs):** 25, 25, 25
- **Labor Warranty (yrs):** 0, 25, 10
- **Power in Year 1:** 98%, 98%, 98%
- **Annual Degradation:** 0.25%, 0.25%, 0.25%
- **Power in Year 25:** 92%, 92%, 92%

For more information, see the installation manual for mounting instructions.

### CERTIFICATIONS

- **IEC 61215-2016, IEC 61730-2016, UL 61730**
- **IEC 62804 PID**
- **IEC 61671 Salt Mist**
- **IEC 62716 Ammonia Resistance**
- **UL 1703 Fire Type 2**
- **IEC 62782 Dynamic Mechanical Load**
- **IEC 6215-2.2016 Hailstone (35mm)**
- **EN 45041 NCC 2016 Cyclic Wind Load**

### www.recgroup.com

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Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar’s Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.