REC ALPHA Series

380 Wp  POWER

20 YEAR PRODUCT WARRANTY

25 YEAR POWER OUTPUT WARRANTY

recgroup.com/alpha
## ELECTRICAL DATA @ STC

<table>
<thead>
<tr>
<th>Product Code*: RECxxxAA</th>
<th>Nominal Power - ( P_{\text{MPPP}} ) (Wp)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>360</td>
</tr>
<tr>
<td>Watt Class Sorting - (W)</td>
<td>-0/+5</td>
</tr>
<tr>
<td>Nominal Power Voltage - ( V_{\text{MPPP}} ) (V)</td>
<td>37.7</td>
</tr>
<tr>
<td>Nominal Power Current - ( I_{\text{MPPP}} ) (A)</td>
<td>9.55</td>
</tr>
<tr>
<td>Open Circuit Voltage - ( V_{\text{OC}} ) (V)</td>
<td>44.3</td>
</tr>
<tr>
<td>Short Circuit Current - ( I_{\text{SC}} ) (A)</td>
<td>10.16</td>
</tr>
</tbody>
</table>

**Panel Efficiency (%)**

- 20.6
- 20.9
- 21.2
- 21.4
- 21.7

Values at standard test conditions (STC: air mass AM 1.5, irradiance 10.75 W/sq ft [1000 W/m²], temperature 77°C [25°C], based on a production spread with a tolerance of \( V_{\text{oc}} \) & \( I_{\text{sc}} \) ±3% within one watt class. *Where xxx indicates the nominal power class (\( P_{\text{mppp}} \)) at STC above.

## ELECTRICAL DATA @ NMOT

<table>
<thead>
<tr>
<th>Product Code*: RECxxxAA</th>
<th>Nominal Power - ( P_{\text{MPPP}} ) (Wp)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>272</td>
</tr>
<tr>
<td>Nominal Power Voltage - ( V_{\text{MPPP}} ) (V)</td>
<td>35.3</td>
</tr>
<tr>
<td>Nominal Power Current - ( I_{\text{MPPP}} ) (A)</td>
<td>7.71</td>
</tr>
<tr>
<td>Open Circuit Voltage - ( V_{\text{OC}} ) (V)</td>
<td>41.4</td>
</tr>
<tr>
<td>Short Circuit Current - ( I_{\text{SC}} ) (A)</td>
<td>8.21</td>
</tr>
</tbody>
</table>

Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance 800 W/m², temperature 68°F [20°C], windspeed 3.3 ft/s [1 m/s]).

*Where xxx indicates the nominal power class (\( P_{\text{mppp}} \)) at STC above.

## CERTIFICATIONS


## WARRANTY

- 20 year product warranty
- 25 year linear power output warranty
- Maximum annual power degression of 0.5% p.a.
- Guarantees 86% of power after 25 years.

See warranty conditions for further details.

## GENERAL DATA

- **Cell type:** 120 half-cut n-type mono cells with REC heterojunction cell technology
- **Glass:** 0.13 in (3.2 mm) solar glass with anti-reflection surface treatment
- **Backsheet:** Highly resistant polymeric construction
- **Frame:** Anodized aluminum (black)
- **Junction box:** 3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
- **Cable:** 12 AWG (4 mm²) PV wire, 39 + 47 in (1 + 1.2 m) in accordance with EN 50618
- **Connectors:** Stäubli MC4 PV-KBT4/KST4, 12 AWG (4 mm²) in accordance with IEC 62852
- **Origin:** Made in Singapore

## MECHANICAL DATA

- **Dimensions:** 67.8 x 40.12 in (1721 x 1016 x 30 mm)
- **Area:** 18.8 sq ft (1.75 m²)
- **Weight:** 43 lbs (19.5 kg)

## TEMPERATURE RATINGS*

- **Nominal Module Operating Temperature:** 44°C (112°F)
- **Temperature coefficient of \( P_{\text{MPPP}} \):** -0.26%/°C
- **Temperature coefficient of \( V_{\text{OC}} \):** -0.24%/°C
- **Temperature coefficient of \( I_{\text{SC}} \):** 0.04%/°C

*Where xxx indicates the nominal power class (\( P_{\text{mppp}} \)) at STC above.

## LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC: