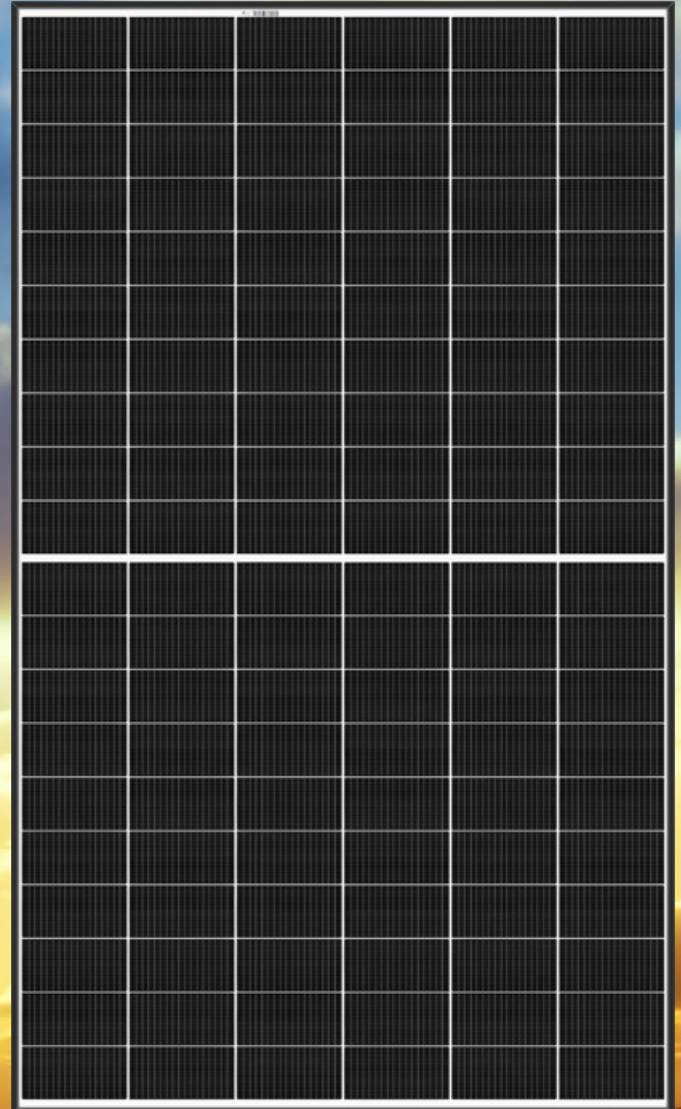


SOLAR'S MOST TRUSTED



REC ALPHA SERIES

PRODUCT SPECIFICATIONS

380 WP
20.2 $\frac{W}{FT^2}$



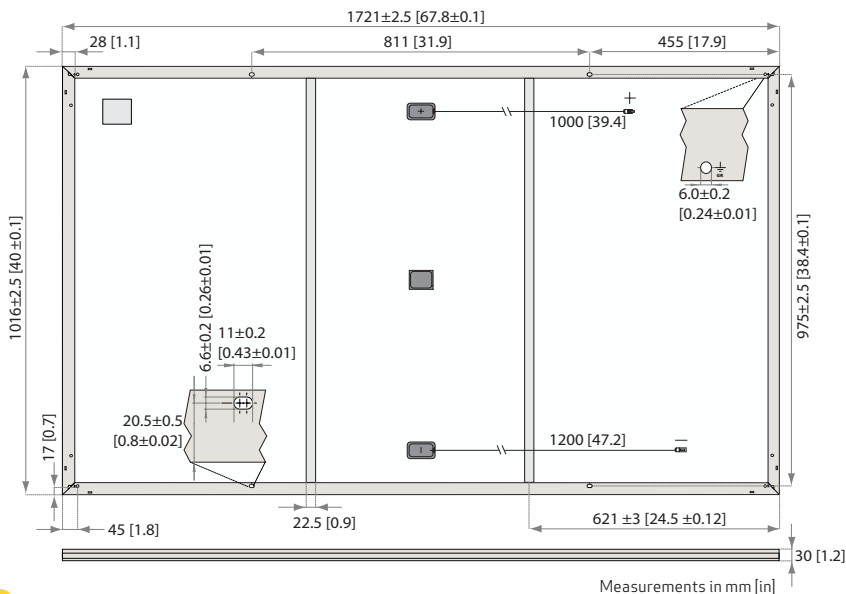
ELIGIBLE



EXPERIENCE



PERFORMANCE



Measurements in mm [in]

GENERAL DATA

| | | | |
|---------------|--|-------------|--|
| Cell type: | 120 half-cut cells with REC heterojunction bifacial cell technology 6 strings of 20 cells in series | Connectors: | Stäubli MC4PV-KBT4/KST4, 12AWG (4mm ²) in accordance with IEC 62852 IP68 only when connected |
| Glass: | 0.13 in (3.2 mm) solar glass with anti-reflection surface treatment | Cable: | 12AWG (4mm ²) PV wire, 39+47 in (1+1.2m) accordance with EN 50618 |
| Backsheet: | Highly resistant polymeric construction | Dimensions: | 678x40x1.2 in (1721x1016x30 mm) |
| Frame: | Anodized aluminum (black) | Weight: | 43 lbs (19.5 kg) |
| Junction box: | 3-part, 3 bypass diodes, IP68 rated in accordance with IEC 62790 | Origin: | Made in Singapore |

ELECTRICAL DATA

Product Code*: RECxxxAA

| | 360 | 365 | 370 | 375 | 380 |
|--|-------|-------|-------|-------|-------|
| Power Output - P _{MAX} (Wp) | 360 | 365 | 370 | 375 | 380 |
| Watt Class Sorting - (W) | -0/+5 | -0/+5 | -0/+5 | -0/+5 | -0/+5 |
| Nominal Power Voltage - V _{MPP} (V) | 36.7 | 37.1 | 37.4 | 37.8 | 38.1 |
| Nominal Power Current - I _{MPP} (A) | 9.82 | 9.85 | 9.90 | 9.94 | 9.98 |
| Open Circuit Voltage - V _{OC} (V) | 43.9 | 44.0 | 44.1 | 44.2 | 44.3 |
| Short Circuit Current - I _{SC} (A) | 10.49 | 10.52 | 10.55 | 10.58 | 10.61 |
| Power Density (W/sq ft) | 19.1 | 19.4 | 19.7 | 19.9 | 20.2 |
| Panel Efficiency (%) | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| Power Output - P _{MAX} (Wp) | 274 | 278 | 282 | 286 | 289 |
| Nominal Power Voltage - V _{MPP} (V) | 34.6 | 35.0 | 35.2 | 35.6 | 35.9 |
| Nominal Power Current - I _{MPP} (A) | 7.93 | 7.96 | 8.00 | 8.03 | 8.06 |
| Open Circuit Voltage - V _{OC} (V) | 41.4 | 41.5 | 41.6 | 41.6 | 41.7 |
| Short Circuit Current - I _{SC} (A) | 8.47 | 8.50 | 8.52 | 8.55 | 8.57 |

Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 W/sq ft (1000 W/m²), temperature 77°F (25°C), based on a production spread with a tolerance of P_{MAX}, V_{OC} & I_{SC} ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, 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_{MAX}) at STC above.

CERTIFICATIONS

| | |
|--|-------------------------|
| IEC 61215:2016, IEC 61730:2016, UL 61730 | |
| IEC 62804 | PID |
| IEC 61701 | Salt Mist |
| IEC 62716 | Ammonia Resistance |
| UL 1703 | Fire Type 2 |
| IEC 62782 | Dynamic Mechanical Load |
| IEC 61215-2:2016 | Hailstone (35mm) |
| AS4040.2 NCC 2016 | Cyclic Wind Load |
| ISO 14001:2004, ISO 9001:2015, OHSAS 18001:2007, IEC 62941 | |



WARRANTY

| | Standard | REC ProTrust | |
|--|----------|--------------|-----------|
| | | No | Yes |
| Installed by an REC Certified Solar Professional | No | Yes | Yes |
| System Size | All | <25 kW | 25-500 kW |
| 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% |

See warranty documents for details. Conditions apply.

MAXIMUM RATINGS

| | |
|----------------------------|--------------------------------|
| Operational temperature: | -40 ... +185°F (-40 ... +85°C) |
| Maximum system voltage: | 1000 V |
| Maximum test load (front): | +7000 Pa (146 lbs/sq ft)* |
| Maximum test load (rear): | -4000 Pa (83.5 lbs/sq ft)* |
| Max series fuse rating: | 25 A |
| Max reverse current: | 25 A |

*See installation manual for mounting instructions.
Design load = Test load / 1.5 (safety factor)

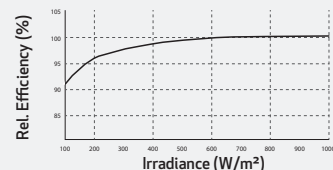
TEMPERATURE RATINGS*

| | |
|---|-------------|
| Nominal Module Operating Temperature: | 44°C (±2°C) |
| Temperature coefficient of P _{MAX} : | -0.26 %/°C |
| Temperature coefficient of V _{OC} : | -0.24 %/°C |
| Temperature coefficient of I _{SC} : | 0.04 %/°C |

*The temperature coefficients stated are linear values

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



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.

