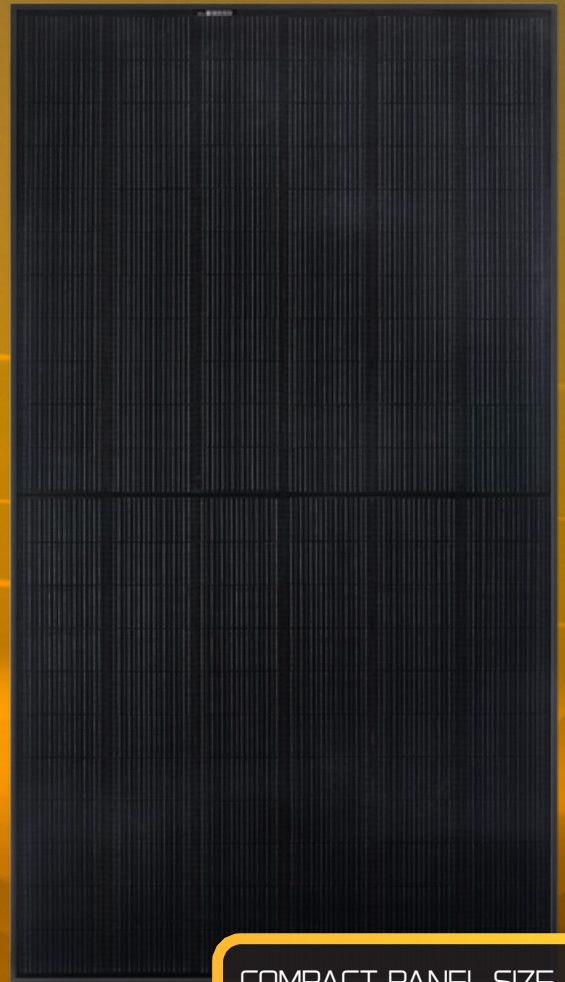


SOLAR'S MOST TRUSTED



COMPACT PANEL SIZE

# REC ALPHA<sup>®</sup> PURE SERIES Q2

PRODUCT SPECIFICATIONS

385 WP  
19.3 W/FT<sup>2</sup>



ELIGIBLE



LEAD-FREE  
ROHS COMPLIANT

EXPERIENCE



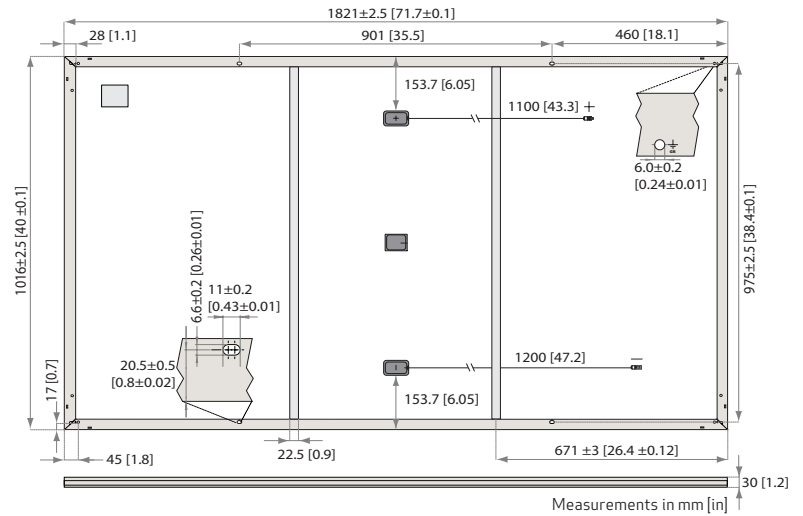
PERFORMANCE

# REC ALPHA PURE SERIES Q2

## PRODUCT SPECIFICATIONS

### GENERAL DATA

Cell type:	132 half-cut REC heterojunction bifacial cells with lead-free, gapless technology, 6 strings of 22 cells in series
Glass:	0.13in(3.2mm)solar glass with anti-reflective surface treatment in accordance with EN12150
Backsheet:	Highly resistant polymer (black)
Frame:	Anodized aluminum (black)
Junction box:	3-part, 3 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm <sup>2</sup> ) in accordance with IEC 62852, IP68 only when connected
Cable:	12 AWG (4 mm <sup>2</sup> ) PV wire, 43+ 47 in (1.1 + 1.2 m) in accordance with EN 50618
Dimensions:	71.7 x 40 x 1.2 in (19.91 ft <sup>2</sup> ) / 1821 x 1016 x 30 mm (1.85 m <sup>2</sup> )
Weight:	45 lbs (20.5 kg)
Origin:	Made in Singapore



### ELECTRICAL DATA

Product Code\*: RECxxxAA Pure Q2

Power Output - P <sub>MAX</sub> (Wp)	385
Watt Class Sorting - (W)	0/+30
Nominal Power Voltage - V <sub>MPP</sub> (V)	41.2
Nominal Power Current - I <sub>MPP</sub> (A)	9.35
Open Circuit Voltage - V <sub>OC</sub> (V)	48.5
Short Circuit Current - I <sub>SC</sub> (A)	10.18
Power Density (W/ft <sup>2</sup> )	19.3
Panel Efficiency (%)	20.8
Power Output - P <sub>MAX</sub> (Wp)	293
Nominal Power Voltage - V <sub>MPP</sub> (V)	38.8
Nominal Power Current - I <sub>MPP</sub> (A)	7.55
Open Circuit Voltage - V <sub>OC</sub> (V)	45.7
Short Circuit Current - I <sub>SC</sub> (A)	8.16

Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 W/sq ft (1000 W/m<sup>2</sup>), temperature 77°F (25°C), based on a production spread with a tolerance of P<sub>MAX</sub>, V<sub>OC</sub> & I<sub>SC</sub> ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m<sup>2</sup>, temperature 68°F (20°C), windspeed 3.3 ft/s (1 m/s). \*Where xxx indicates the nominal power class (P<sub>MAX</sub>) at STC above.

### MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (146 lbs/ft <sup>2</sup> )*
Maximum test load (rear):	-4000 Pa (83.5 lbs/ft <sup>2</sup> )*
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)

### WARRANTY

	Standard	REC ProTrust
Installed by an REC Certified Solar Professional	No	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

### CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730
IEC 62804 PID
IEC 61701 Salt Mist
IEC 62716 Ammonia Resistance
UL 61730 Fire Type Class 2
IEC 62782 Dynamic Mechanical Load
IEC 61215-2:2016 Hailstone (35mm)
IEC 62321 Lead-free acc. to RoHS EU 863/2015
ISO 14001, ISO 9001, IEC 45001, IEC 62941



### 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>SC</sub> :	0.04%/°C

\*The temperature coefficients stated are linear values

### DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	792 (24 pallets)
Panels per 53 ft truck:	891 (27 pallets)

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:

