

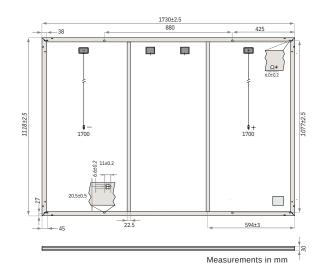
# Specifications subject to change without notice

## Ref: PM-DS-12-06-Rev- B 08.22

### REC Alpha PURE-R Series Product SPECIFICATIONS



GENERAL DA	ATA
Cell type:	80 half-cut REC heterojunction cells with lead-free, gapless technology
Glass:	3.2 mm solar glass with anti-reflective surface treatment in accordance with EN 12150
Backsheet:	Highly resistant polymer (black)
Frame:	Anodized aluminum (black)
Junction box:	4-part, 4 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm²)
Cable:	in accordance with IEC 62852, IP68 only when connected $$4\ mm^2$$ solar cable, $1.7\pm1.7\ m$
Dimensions:	in accordance with EN 50618
Weight:	1730 x 1118 x 30 mm (1.93 m2)
Origin:	21.5 kg
	Made in Singapore



Product Code*: RECxxxAA Pure-R			
400	410	420	430
0/+10	0/+10	0/+10	0/+10
48.8	49.4	50.0	50.5
8.20	8.30	8.40	8.52
58.9	59.2	59.4	59.7
8.73	8.81	8.89	8.97
207	212	218	223
20.7	21.2	21.8	22.3
305	312	320	327
46.0	46.6	47.1	47.6
6.64	6.70	6.78	6.88
55.5	55.8	56.0	56.3
7.05	7.12	7.18	7.24
	0/+10 48.8 8.20 58.9 8.73 207 20.7 305 46.0 6.64 55.5	400 410 0/+10 0/+10 48.8 49.4 8.20 8.30 58.9 59.2 8.73 8.81 207 212 20.7 21.2 305 312 46.0 46.6 6.64 6.70 55.5 55.8	400     410     420       0/+10     0/+10     0/+10       48.8     49.4     50.0       8.20     8.30     8.40       58.9     59.2     59.4       8.73     8.81     8.89       207     212     218       20.7     21.2     21.8       305     312     320       46.0     46.6     47.1       6.64     6.70     6.78       55.5     55.8     56.0

 $Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m^2, temperature 25 °C), based on a production spread with a light condition of the conditions of the condition of the conditions of the conditions of the condition of the conditions of$ 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 20°C, windspeed 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 62804PID
IEC 61701 Salt Mist
IEC 62716Ammonia Resistance
ISO 11925-2Ignitability (EN 13501-1 Class E)
IEC 62782 Dynamic Mechanical Load
IEC 61215-2:2016Hailstone (35mm)
IEC 62321Lead-free acc. to RoHS EU 863/2015 ISO
14001. ISO 9001. IEC 45001. IEC 62941

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44°C (±2°C)

TEMPERATURE RATINGS	<b>)</b> ^	
Nominal Module Operating Tem	perature:	

Temperature coefficient of Pmax: -0.26 %/°C Temperature coefficient of Voc -0.24 %/°C

Temperature coefficient of Isc: 0.04 %/°C

The temperature coefficients stated are linear values

MAXIMUM RATII	NGS	
Operational		-40 +85°C
temperature: Sy	ystem	1000 V
voltage:		+ 7000 Pa (713 kg/m²)
Test load (front):		- 4000 Pa (407 kg/m²)*
Test load (rear):		25 A
Series fuse rating:		25 A
Reverse current:		allation manual for mounting ns. Design load = Test load / 1.5 (safety factor)

WARRANTY		
	Standard	REC ProTrust
Installed by an REC Certified Solar Professional Yes Yes		
System Size		25 kW25-500 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% 0.2	25% 0.25%
Power in Year 25	92% 92%	92%
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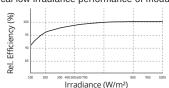
See warranty documents for details. Conditions apply

### **DELIVERY INFORMATION** Panels per pallet:

Panels per 40 ft GP/high cube container858 (26 pallets)

### 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.

