

420 202 21.8% WP

W

FT²

EFFICIENCY

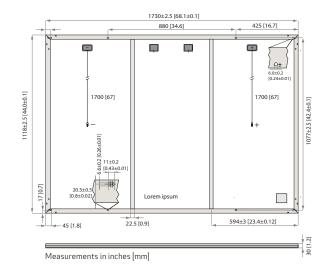








GENERAL DATA		
Cell type:	80 half-cut REC bifacial, heterojunction cells with lead-free, gapless technology	
Glass:	0.13 in (3.2 mm) solar glass with anti-reflective surface treatment in accordance with EN 12150	
Backsheet:	Highly resistant polymer (black)	
Frame:	Anodized aluminum (black)	
Junction box:	4-part, 4 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790	
Connectors:	$St\"{a}ubli\ MC4\ PV-KBT4/KST4\ (4\ mm^2)$ in accordance with IEC 62852, IP68 only when connected	
Cable:	12 AWG (4 mm²) PV wire, 67 + 67 in (1.7 + 1.7 m) in accordance with EN 50618	
Dimensions:	$68.1 \times 44.0 \times 1.2 \text{in} (20.77 \text{ft}^2) / 1730 \times 1118 \times 30 \text{mm} (1.93 \text{m}^2)$	
Weight:	47.4 lbs (21.5 kg)	
Origin:	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
19.26	19.74	20.22	20.7
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 19.26 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 19.26 19.74 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 19.26 19.74 20.22 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

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.

MAXIMUM RATINGS		
Operational temperature:	-40+85°C	
System voltage:	1000 V	
Test load (front):	+7000 Pa (146 lbs/ft²)*	
Test load (rear):	- 4000 Pa (83.5 lbs/ft²)*	
Series fuse rating:	25 A	
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	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			

CERT	IFICATIONS	
IEC 61	215:2016, IEC 6	1730:2016, UL 61730
IEC 62	2804	PID
IEC 617	701	Salt Mist
IEC 62	716	Ammonia Resistance
UL 617	730	Fire Type Class 2
IEC 62	782	Dynamic Mechanical Load
IEC 612	215-2:2016	Hailstone (35mm)
IEC 62	321	Lead-free acc. to RoHS EU 863/2015
ISO 14	001, ISO 9001, II	EC 45001, IEC 62941











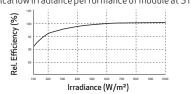
TEMPERATURE RATINGS*	
NominalModuleOperatingTemperature:	44°C (±2°C)
Temperature coefficient of P_{MAX} :	-0.26 %/°C
Temperature coefficient of V_{OC} :	-0.24 %/°C
Temperature coefficient of I_{SC} :	0.04 %/°C

*The temperature coefficients stated are linear values

DELIVERY INFORMATION	
Panels per pallet:	33
Panels per 40 ft GP/high cube container:	858 (26 pallets)
Panels per 53 ft truck:	858 (26 pallets)

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Available from:

Head quartered in Norway with operational head quarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.