

38	*	30±2.5 880	42	5
20.5±0.5	11±0.2		9+ 1700	0.050.2
45	22.5	_	594±3	
Measurements in mm				

ELECTRICAL DATA		Product Code*: R	ECxxxAA Pure-R	l
Power Output - P _{MAX} (Wp)	400	410	420	430
Watt Class Sorting - (W)	0/+10	0/+10	0/+10	0/+10
Nominal Power Voltage - $V_{MPP}(V)$	48.8	49.4	50.0	50.5
Nominal Power Current - I _{MPP} (A)	8.20	8.30	8.40	8.52
Open Circuit Voltage - $V_{OC}(V)$	58.9	59.2	59.4	59.7
Short Circuit Current - $I_{SC}(A)$	8.80	8.86	8.91	8.97
Power Density (W/m²)	19.3	19.7	20.2	20.7
Panel Efficiency (%)	20.7	21.2	21.8	22.3
Power Output - P _{MAX} (Wp)	305	312	320	327
Nominal Power Voltage - $V_{MPP}(V)$	46.0	46.6	47.1	47.6
Nominal Power Current - I _{MPP} (A)	6.64	6.70	6.80	6.88
Open Circuit Voltage - V _{oc} (V)	55.5	55.8	56.0	56.3
Short Circuit Current - $I_{SC}(A)$	7.11	7.16	7.20	7.24

Values at standard test conditions (STC: air mass AM 1.5, irradiance $1000 \, \text{W/m}^2$, temperature 25°C), based on a production spread with a tolerance of P_{MXV} , $V_{OC} \& I_{SC} \pm 3\%$ within one watt class. Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance $800 \, \text{W/m}^2$, temperature 20°C , windspeed 1 m/s).* Where xxx indicates the nominal power class (P_{MXV}) at STC above.

MAXIMUM RATINGS		
Operational temperature:	-40+85°C	
System voltage:	1000 V	
Test load (front):	+7000 Pa (713 kg/m²)*	
Test load (rear):	-4000 Pa (407 kg/m²)*	
Series fuse rating:	25 A	
Reverse current:	25 A	
*See installation manual for mounting instruction		

Design load = Test load / 1.5 (safety factor)

WARRANTY			
	Standard	REC	ProTrust
Installed by an REC Certified Solar Professiona	l No	Yes	Yes
System Size	All	≤25 kW	25-500 kV
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%
The REC ProTrust Warranty is	s only availal	hle on nan	els nurchasei

WARRANTY			
	Standard	REC	ProTrust
Installed by an REC Certified Solar Profession	al 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%
The REC ProTrust Warranty	ic only availal	hla on nan	ale nurchaead

through an REC Certified Solar Professional installer. Warranty

conditions apply. See www.recgroup.com for more details

CERTIFICATIONS	;
IEC 61215:2016, IEC	61730:2016, UL 61730
IEC 62804	PID
IEC 61701	Salt Mist
IEC 62716	Ammonia Resistance
ISO 11925-2	Ignitability (EN 13501-1 Class E

IEC 62782 Dynamic Mechanical Load IEC 61215-2:2016 Hailstone (35mm) IEC 62321 Lead-free acc. to RoHS EU 863/2015

IEC 61730-2:2016 Fire Class C (as per UL790) ISO 14001, ISO 9001, IEC 45001, IEC 62941











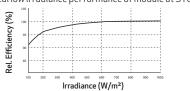
TEMPERATURE RATINGS' Nominal Module Operating Temperature: 44°C (±2°C) Temperature coefficient of P_{MAX} : -0.24 %/°C Temperature coefficient of V_{oc} : -0.24 %/°C 0.04 %/°C Temperature coefficient of I_{sc}:

*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 13.6 m truck: 924 (28 pallets)

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Available from:

Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers and the properties of the constant of the properties of thewith 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 $head quarters in Singapore, REC \ also \ has \ regional \ hubs \ in \ North \ America, Europe, and \ Asia-Pacific.$

