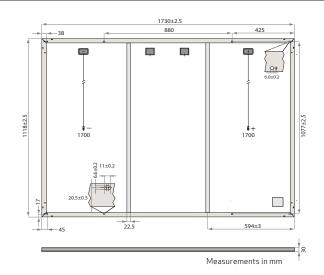


GENERAL DATA				
Cell type:	80 half-cut REC heterojunction cells with lead-free, gapless technology			
Glass:	3.2 mm solar glass with anti-reflective surface treatment in accordance with EN12150			
Backsheet:	Highly resistant polymer (black)			
Frame:	Anodized aluminum (black)			
Junction box:	4-part, 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:	4 mm² solar cable, 1.7 + 1.7 m in accordance with EN 50618			
Dimensions:	$1730 \times 1118 \times 30 \text{ mm} (1.93 \text{ m}^2)$			
Weight:	21.5 kg			
Origin:	Made in Singapore			



LECTRICAL DATA Product Code*: RECxxxAA Pure-R			t	
Power Output - P <sub>MAX</sub> (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 <sub>MPP</sub> (A)	8.20	8.30	8.40	8.52
Open Circuit Voltage - V <sub>oc</sub> (V)	58.9	59.2	59.4	59.7
Short Circuit Current - I <sub>SC</sub> (A)	8.73	8.81	8.89	8.97
Power Density (W/m²)	207	212	218	223
Panel Efficiency (%)	20.7	21.2	21.8	22.3
Power Output - P <sub>MAX</sub> (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	6.78	6.88
Open Circuit Voltage - V <sub>oc</sub> (V)	55.5	55.8	56.0	56.3
Short Circuit Current - I <sub>SC</sub> (A)	7.05	7.12	7.18	7.24

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m², temperature 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 AM 1.5, irradiance 800 W/m²,
temperature 20°C, windspeed 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 (713 kg/m²)*	
Test load (rear):	-3000 Pa (305 kg/m²)*	
Series fuse rating:	25 A	
Reverse current:	25 A	
*See installation manual for mounting instructions		

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			

	CERTIFICATIONS	
	IEC 61215:2016, IEC 6	1730:2016, UL 61730
	IEC 61215-2:2016	Hailstone (35mm)
	IEC 61730-2:2016	Fire Class C (as per UL790)
	IEC 62321	Lead-free acc. to RoHS EU 863/2015
ISO 14001, ISO 9001, IEC 45001, IEC 62941		









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TEMPERATURE RATINGS*			
Nominal Module Operating Temperature:	44°C (±2°C)		
Temperature coefficient of $P_{\text{MAX}}$ :	-0.26 %/°C		
Temperature coefficient of $V_{\text{oc}}$ :	-0.24 %/°C		
Temperature coefficient of I <sub>sc</sub> :	0.04 %/°C		

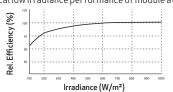
\*The temperature coefficients stated are linear values

DELIVERY INFORMATION	
Panels per pallet:	33

Panels per 40 ft GP/high cube container: 858 (26 pallets)

## **LOW LIGHT BEHAVIOUR**

Typical low irradiance performance of module at STC:



Available from:

Specifications subject to change without notice.