



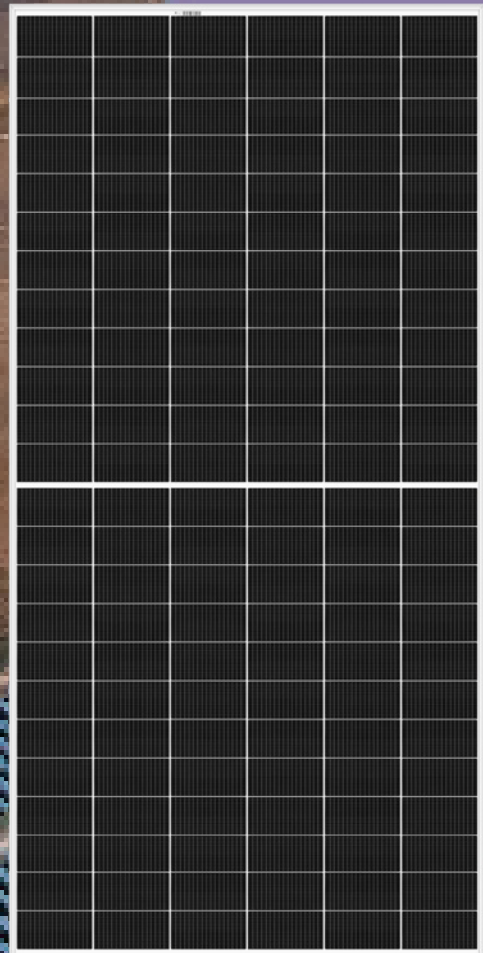
SOLAR'S MOST TRUSTED

REC ALPHA[®]
PRO XL SERIES
DATASHEET

740 W_P

21.8% EFFICIENCY

218 W/M²



EXPERIENCE

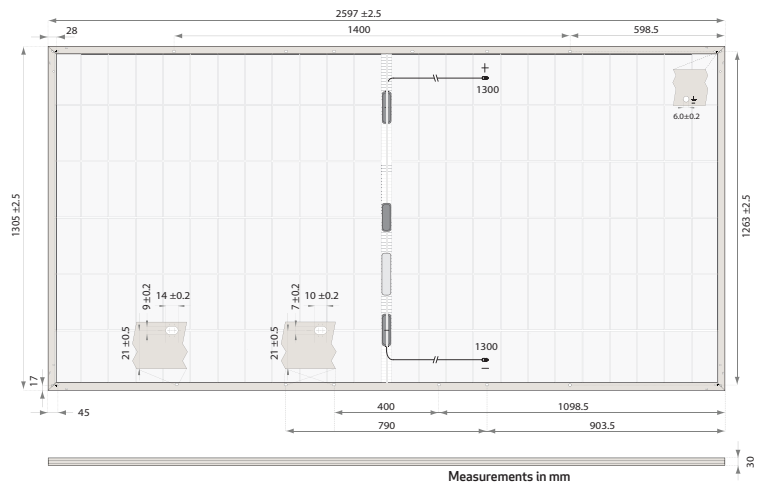


PERFORMANCE

REC ALPHA[®] PRO XL SERIES DATASHEET



GENERAL DATA	
Cell Type	144 half-cut REC bifacial heterojunction cells
Bifaciality	>86%
Glass	Front: 2 mm solar glass with anti-reflective surface treatment Rear: 2 mm solar glass with white grid
Frame	Anodized aluminum (Silver)
Junction Box	3-part, 3 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors	Stäubli PV-KBT4-EVO2/KST4-EVO2 (4 mm ²) in accordance with IEC 62852, IP68 only when connected
Cable	4 mm ² solar cable, 1.3 m + 1.3 m in accordance with EN50618
Dimensions	2597 x 1305 x 30 mm (3.39 m ²)
Weight	44.1 kg
Origin	Made in Singapore



ELECTRICAL DATA	Product Code*: RECxxxAA Pro XL					
	720		548		730	
Power Output - P _{MAX} (W _p)	720	548	730	555	740	563
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT
Watt Class Sorting - (W)	0/+10		0/+10		0/+10	
Nominal Power Voltage - V _{MPP} (V)	44.8	42.2	44.8	42.3	44.9	42.3
Nominal Power Current - I _{MPP} (A)	16.09	13.00	16.29	13.16	16.49	13.32
Open Circuit Voltage - V _{OC} (V)	54.0	50.9	54.1	51.0	54.2	51.1
Short Circuit Current - I _{SC} (A)	16.72	13.50	16.92	13.67	17.11	13.82
Power Density (W/m ²)	212		215		218	
Panel Efficiency (%)	21.2		21.5		21.8	

BNPI		
BNPI P _{MPP} (+/- 3%) (W _p) STC	816.5	839.2
BNPI V _{OC} (+/- 3%) (V) STC	54.2	54.4
BNPI I _{SC} (+/- 3%) (A) STC	18.66	19.09

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread 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 20°C, windspeed 1 m/s). BNPI P_{MPP} is determined when the module is subjected to BNPI irradiance, corresponding to 1000 W/m² on the module front and 135 W/m² on the module rear. * Where xxx indicates the nominal power class (P_{MAX}) at STC above.

MAXIMUM RATINGS*	
Operational Temperature	-40 °C - 85 °C
System Voltage	1500 V
Maximum Test Load (front)	+5400 Pa (550 Kg/m ²)
Maximum Test Load (rear)	-2400 Pa (254 Kg/m ²)
Max Series Fuse Rating	35 A
Max Reverse Current	35 A

* See installation manual for mounting instructions.
Design load = Test load / 1.5 (safety factor)

TEMPERATURE RATINGS*	
Nominal Module Operating Temperature	44 °C ± 2°C
Temperature coefficient of P _{MAX}	-0.24% / °C
Temperature coefficient of V _{OC}	-0.23% / °C
Temperature coefficient of I _{SC}	0.04% / °C

*The temperature coefficients stated are linear values

CERTIFICATIONS

IEC 61215:2021; IEC61730:2016; UL61730	
ISO 11925-2	Ignitability (EN 13501-1 Class E)
IEC 62716	Ammonia Resistance (Optional)
IEC 61701	Salt Mist- SM6 (Optional)
IEC 60068-2-68	Blowing Sand
IEC 62938	Inhomogeneous Snow Load
IEC 61215:2016	Hailstone (35 mm)
UL 61730	Fire Type 29
ISO 14001; ISO9001; IEC45001; IEC62941	



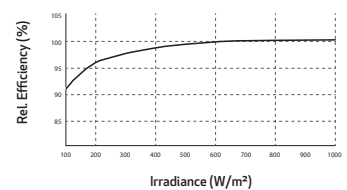
WARRANTY

	Standard	REC ProTrust	
Installed by an REC Certified Professional	No	Yes	Yes
System Size	All	<25 kW	25-500 kW
Product Warranty (yrs)	20	30	30
Power Warranty (yrs)	30	30	30
Labor Warranty (yrs)	0	30	10
Power in Year 1	98%	98%	98%
Annual Degradation	0.25%	0.25%	0.25%
Power in Year 30	90.75%	90.75%	90.75%

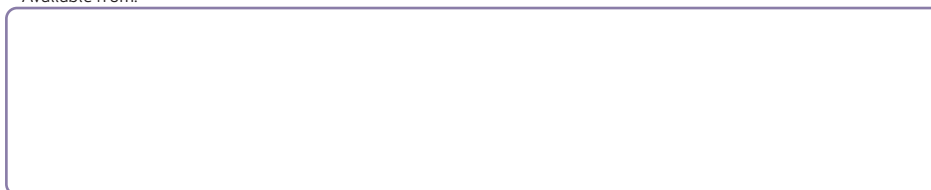
The REC ProTrust Warranty is only available on panels purchased through an REC Certified Solar Professional installer. Warranty conditions apply. See www.recgroup.com for more details

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 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.

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Specifications subject to change without notice.

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