SOLAR'S MOST TRUSTED







405WP 20.3 W/FT2



LEAD-FREE ROHS COMPLIANT

EXPERIENCE

PERFORMANCE

IEC 61215:2016, IEC 61730:2016, UL 61730 (Pending) ISO 14001:2004, ISO 9001:2015, OHSAS 18001:2007, IEC 62941

6.6±0.2 [0.26±0.01] 11±0.2 [0.43±0.01]

20.5±0.5

Measurements in mm [in]

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28 [1.1]

CERTIFICATIONS

	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

GENERAL DATA

1016±2.5 [40 ±0.1]

[0.7]

Cell type:	132 half-cut REC heterojunction cells with lead-free, gapless technology 6 strings of 22 cells in series	Connectors:	Stäubli MC4PV-KBT4/KST4,12AWG (4mm²) in accordance with IEC 62852 IP68 only when connected
Glass:	0.13 in (3.2 mm) solar glass with anti-reflection surface treatment	Cable:	12 AWG (4 mm²) PV wire, 43+47 in (1.1+1.2 m) accordance with EN 50618
Backsheet:	Highly resistant polymer (black)	Dimensions:	71.7 x 40 x 1.2 in (1821 x 1016 x 30 mm)
Frame:	Anodized aluminum (black)	Weight:	45 lbs (20.5 kg)
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790	Origin:	Made in Singapore

1821±2.5 [71.7±0.1]

901 [35.5]

22.5 [0.9]

460 [18.1]

O ± 6.0±0.2 [0.24±0.01]

975±2.5 [38.4±0.1]

30 [1.2]

1100 [43.3]

1200 [47.2]

671 ±3 [26.4 ±0.12]

MAXIMUM RATINGS

-40 +185°F (-40 +85°C)
1000 V
+7000 Pa (146 lbs/sq ft)*
- 4000 Pa (83.5 lbs/sq ft)*
25 A
25 A

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

NMOT

_	ELECTRICAL DATA	Product Code*: RECxxxAA Pure Black				
5	Power Output - P _{MAX} (Wp)	385	390	395	400	405
	Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
	Nominal Power Voltage - V _{MPP} (V)	41.2	41.5	41.8	42.1	42.4
	Nominal Power Current - I _{MPP} (A)	9.35	9.40	9.45	9.51	9.56
	Open Circuit Voltage - V _{oc} (V)	48.5	48.6	48.7	48.8	48.9
	Short Circuit Current - I _{sc} (A)	9.99	10.03	10.07	10.10	10.14
	Power Density (W/sqft)	19.3	19.6	19.8	20.1	20.3
	Panel Efficiency (%)	20.8	21.1	21.3	21.6	21.9
	Power Output - P _{MAX} (Wp)	293	297	301	305	309
-	Nominal Power Voltage - $V_{MPP}(V)$	38.8	39.1	39.4	39.7	40.0
	Nominal Power Current - $I_{MPP}(A)$	7.55	7.59	7.63	7.68	7.72
	Open Circuit Voltage - V _{oc} (V)	45.7	45.8	45.9	46.0	46.1
	Short Circuit Current - I _{sc} (A)	8.07	8.10	8.13	8.16	8.19

 $Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions of the standard test conditions of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test conditions (STC: air mass AM1.5, irradiance 10.75 \ W/sq ft (1000 \ W/m^2), temperature 77^{\circ}F (25^{\circ}C), based on a production of the standard test condin$ spread with a tolerance of P_{MNx} V_{Cc} & 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_{MXX}) at STC above.

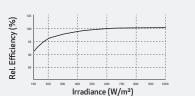
TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	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

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



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