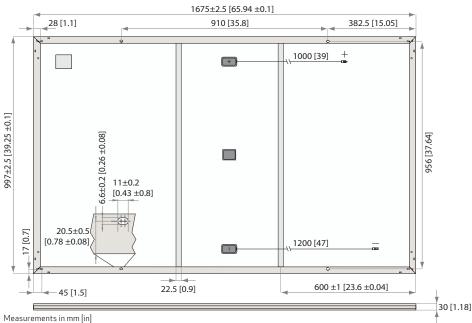
SOLAR'S MOST TRUSTED





-Al



ELECTRICAL DATA @ STC	Product code*: RECxxxNP Black				
NominalPower-P _{MAX} (Wp)	305	310	315	320	325
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}(V)$	33.3	33.6	33.9	34.2	34.4
Nominal Power Current - I _{MPP} (A)	9.17	9.24	9.31	9.37	9.46
Open Circuit Voltage - $V_{oc}(V)$	39.3	39.7	40.0	40.3	40.7
Short Circuit Current - I _{sc} (A)	10.06	10.12	10.17	10.22	10.28
Panel Efficiency (%)	18.3	18.6	18.9	19.2	19.5

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 $P_{MAX} V_{oc} \& I_{sc} \pm 3\%$ within one watt class. * Where xxx indicates the nominal power class (P_{MAX}) at STC above.

ELECTRICAL DATA @ NOCT	Product code*: RECxxxNP Black				
Nominal Power - P _{MAX} (Wp)	214	217	221	224	228
Nominal Power Voltage - $V_{MPP}(V)$	31.1	31.4	31.7	32.0	32.2
Nominal Power Current - I _{MPP} (A)	6.86	6.91	6.97	7.01	7.08
Open Circuit Voltage - V _{oc} (V)	36.7	37.1	37.4	37.7	38.0
ShortCircuitCurrent-I _{sc} (A)	7.53	7.57	7.61	7.65	7.69
Nominal Power Current - $I_{MPP}(A)$ Open Circuit Voltage - $V_{OC}(V)$ Short Circuit Current - $I_{SC}(A)$	36.7 7.53	37.1 7.57	7.61	37.7 7.65	38.0 7.69

Nominal operating cell temperature (NOCT: 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.

CERTIFICATIONS



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IEC 61215, IEC 61730 & UL 1703; UL 61730, MCS 005, IEC 62804, IEC 61701, IEC 62716, IEC 62782 ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

WARRANTY			
	Standard	REC	ProTrust
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	Any	≤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	0.5%	0.5%	0.5%
Power in Year 25 See warranty document	86% s for details	86% Some cor	86% nditions apply.

GENERAL DAT	Α
Cell type:	120 half-cut n-type mono c-Si cells 6 strings of 20 cells in series
Glass:	0.13" (3.2 mm) solar glass with anti-reflection surface treatment
Backsheet:	Highly reflective and resistant polymeric construction (black)
Frame:	Anodized aluminum (black)
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable:	12 AWG (4 mm²) PV wire, 39 + 47" (1 m + 1.2 m) in accordance with EN 50618
Connectors:	Stäubli MC4 PV-KBT4/KST4, 12 AWG(4 mm²) in accordance with IEC 62852 IP68 only when connected
Origin:	Made in Singapore
MECHANICAL	DATA
Dimensions:	65.9 x 39.25 x 1.1" (1675 x 997 x 30 mm)
Area:	17.98 ft²(1.67 m²)
Weight:	39.7 lbs (18 kg)

MAXIMUM RATINGS	
Operational temperature:	-40+85°C
Maximum system voltage:	1000 V
Design load (+): snow Maximum test load (+):	4666 Pa (97.5 lbs/ft²)⁺ 7000 Pa (146 lbs/ft²)*
Design load (-): wind Maximum test load (-):	1600 Pa (33.4 lbs/ft²)⁺ 2400 Pa (50 lbs/ft²)*
Max series fuse rating:	20 A
Max reverse current:	20 A

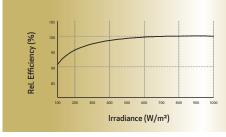
⁺Calculated using a safety factor of 1.5 See installation manual for mounting instructions

TEMPERATURE RATINGS*

Nominal Operating Cell Temperature:	44°C (±2°C)	
Temperature coefficient of P _{MAX} :	-0.35 %/°C	
Temperature coefficient of V _{oc} :	-0.27 %/°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.



Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs around 2,000 people worldwide, producing 1.5 GW of solar panels annually.

