SOLAR'S MOST TRUSTED

REC

REC N-PEAK SERIES

PREMIUM MONO N-TYPE SOLAR PANELS WITH SUPERIOR PERFORMANCE

MONO N-TYPE: THE MOST EFFICIENT C-SI TECHNOLOGY

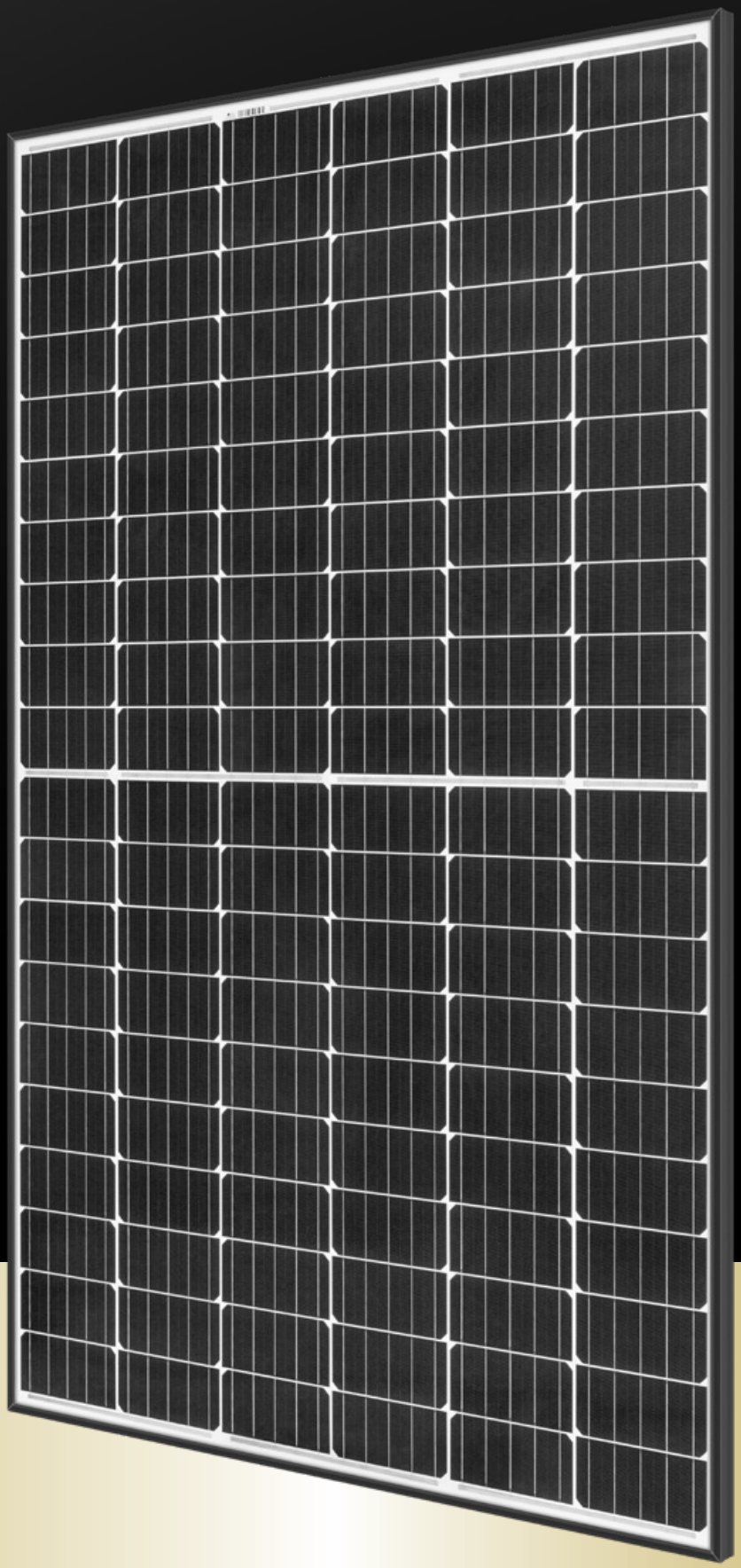
NO LIGHT INDUCED DEGRADATION

SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD

FLEXIBLE INSTALLATION OPTIONS

IMPROVED PERFORMANCE IN SHADED CONDITIONS

BIFACIAL CELLS CAN PRODUCE ENERGY FROM BOTH SIDES



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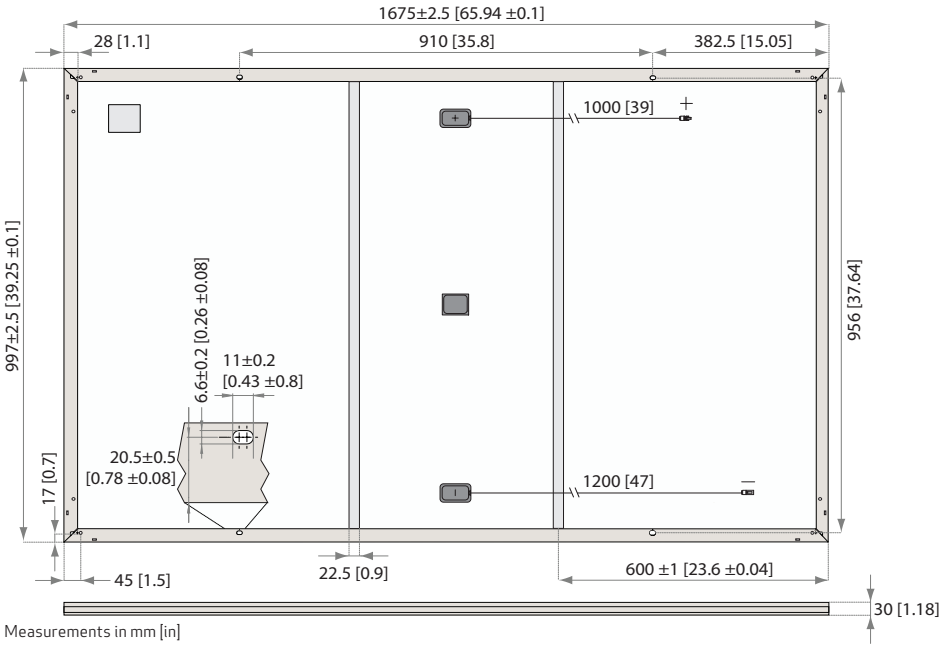
WP POWER

PRODUCT
REC 25 YEAR ProTrust WARRANTY
PERFORMANCE
LABOR

ELIGIBLE

REC N-PEAK SERIES



Measurements in mm [in]

ELECTRICAL DATA @ STC	Product code*: RECxxxNP					
Nominal Power - P_{MAX} (Wp)	305	310	315	320	325	330
Watt Class Sorting - (W)	0/+5	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	34.6
Nominal Power Current - I_{MPP} (A)	9.17	9.24	9.31	9.37	9.46	9.55
Open Circuit Voltage - V_{OC} (V)	39.3	39.7	40.0	40.3	40.7	41.0
Short Circuit Current - I_{SC} (A)	10.06	10.12	10.17	10.22	10.28	10.33
Panel Efficiency (%)	18.3	18.6	18.9	19.2	19.5	19.8

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} ±3% within one watt class. * Where xxx indicates the nominal power class (P_{MAX}) at STC above. Bifaciality coefficient of up to P_{MAX} ~ 3%.

ELECTRICAL DATA @ NOCT	Product code*: RECxxxNP					
Nominal Power - P_{MAX} (Wp)	231	234	238	242	246	250
Nominal Power Voltage - V_{MPP} (V)	31.1	31.4	31.7	32.0	32.2	32.4
Nominal Power Current - I_{MPP} (A)	7.41	7.46	7.52	7.57	7.64	7.71
Open Circuit Voltage - V_{OC} (V)	36.7	37.1	37.4	37.7	38.0	38.3
Short Circuit Current - I_{SC} (A)	8.13	8.17	8.21	8.25	8.30	8.34

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

UL 61730 (Fire Type 2), IEC 61215, IEC 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	86%	86%	86%

See warranty documents for details. Some conditions apply.

GENERAL DATA

Cell type:	120 half-cut bifacial 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 resistant polymeric construction
Frame:	Anodized aluminum
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 (-):	2666 Pa (55.7 lbs/ft²)* 4000 Pa (83.5 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

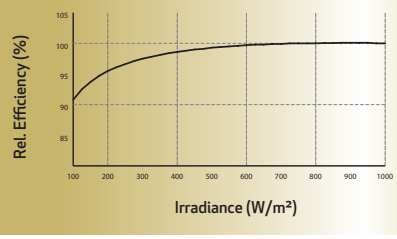
TEMPERATURE RATINGS *

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.



Specifications subject to change without notice.

Ref: PM-DS-11-01-Rev-F 12.20

REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power in order to facilitate global energy transitions. Committed to quality and innovation, REC offers photovoltaic modules with leading high quality, backed by an exceptional low warranty claims rate of less than 100ppm. Founded in Norway in 1996, REC employs 2,000 people and has an annual solar panel capacity of 1.8 GW. With over 10 GW installed worldwide, REC is empowering more than 16 million people with clean solar energy. REC Group is a Bluestar Elkem company with headquarters in Norway, operational headquarters in Singapore, and regional bases in North America, Europe, and Asia-Pacific.

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