

SOLAR'S MOST TRUSTED



REC N-PEAK 2 BLACK SERIES

PREMIUM FULL BLACK MONO N-TYPE SOLAR PANELS



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



NO LIGHT INDUCED DEGRADATION



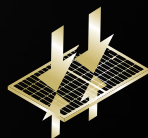
SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD



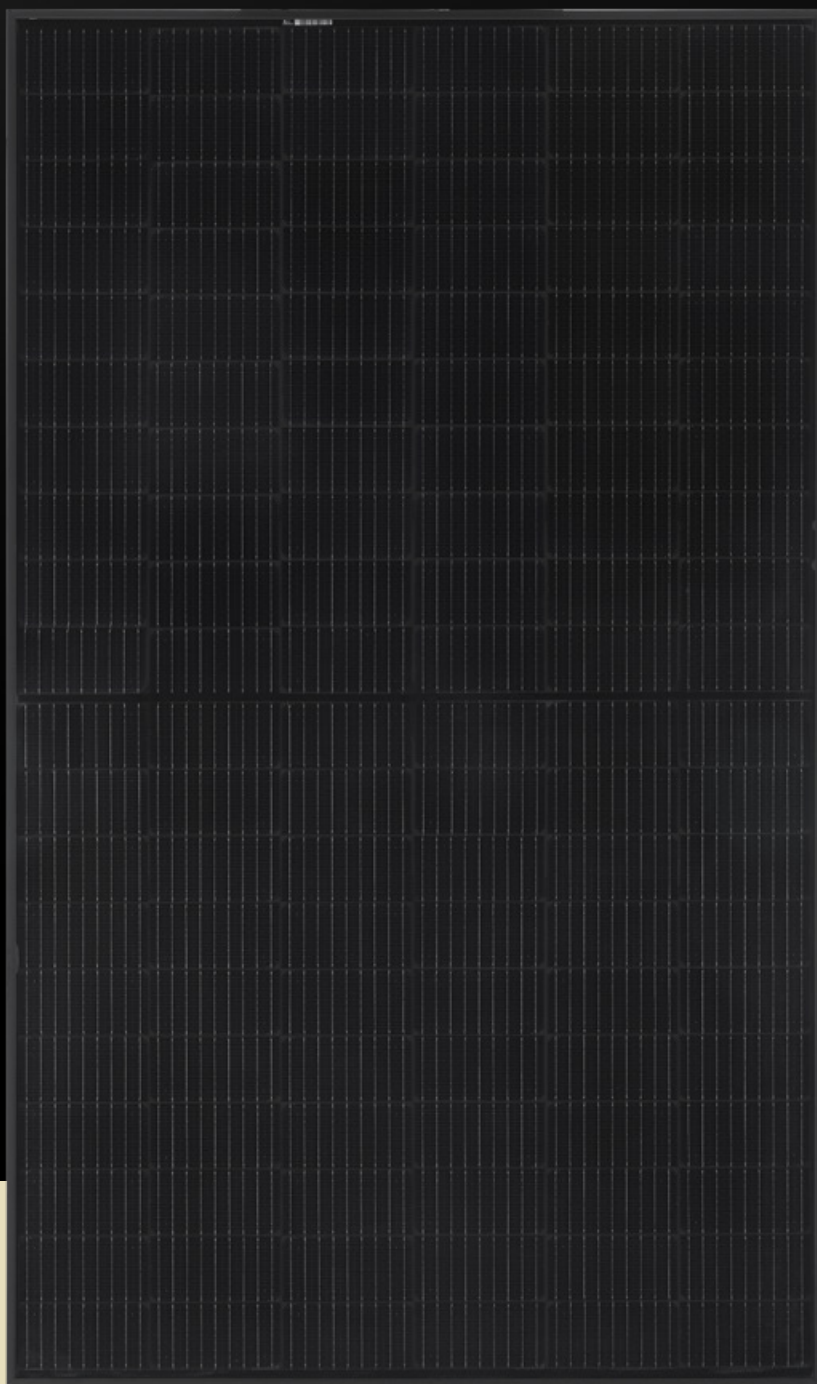
FLEXIBLE INSTALLATION OPTIONS



FEATURING REC'S PIONEERING TWIN DESIGN



BIFACIAL CELLS CAN PRODUCE ENERGY FROM BOTH SIDES



370
WP
POWER



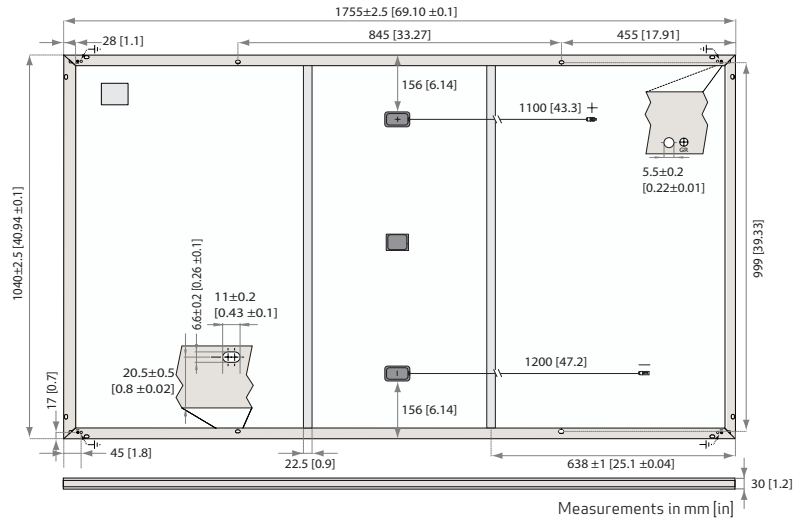
ELIGIBLE

REC N-PEAK 2 BLACK SERIES

PRODUCT SPECIFICATIONS

GENERAL DATA

Cell type:	120 half-cut bifacial mono c-Si n-type cells 6 strings of 20 cells in series
Glass:	0.13in(3.2mm)solar glass with anti-reflective surface treatment in accordance with EN 12150
Backsheet:	Highly resistant polymer (black)
Frame:	Anodized aluminum (black) with silver support bars
Junction box:	3-part, 3 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm ²) in accordance with IEC 62852, IP68 only when connected
Cable:	12 AWG (4 mm ²) PV wire, 43+ 47 in (1.1+1.2 m) in accordance with EN 50618
Dimensions:	69.1 x 40.94 x 1.2 in (19.70 ft ²) / 1755 x 1040 x 30 mm (1.83 m ²)
Weight:	44.0 lbs (20.0 kg)
Origin:	Made in Singapore



ELECTRICAL DATA

Product Code*: RECxxxNP2 Black

	345	350	355	360	365	370
Power Output - P _{MAX} (Wp)	345	350	355	360	365	370
Watt Class Sorting - (W)	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Nominal Power Voltage - V _{MPP} (V)	32.8	33.1	33.5	33.9	34.3	34.7
Nominal Power Current - I _{MPP} (A)	10.52	10.58	10.60	10.62	10.65	10.68
Open Circuit Voltage - V _{OC} (V)	40.4	40.6	40.7	40.8	40.9	41.1
Short Circuit Current - I _{SC} (A)	11.19	11.27	11.29	11.31	11.36	11.41
Panel Efficiency (%)	18.9	19.1	19.4	19.7	20.0	20.3
Power Output - P _{MAX} (Wp)	261	264	268	272	276	280
Nominal Power Voltage - V _{MPP} (V)	30.7	31.0	31.3	31.7	32.1	32.5
Nominal Power Current - I _{MPP} (A)	8.50	8.54	8.56	8.58	8.60	8.63
Open Circuit Voltage - V _{OC} (V)	37.8	38.0	38.1	38.2	38.2	38.4
Short Circuit Current - I _{SC} (A)	9.04	9.10	9.12	9.13	9.18	9.22

Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 W/sq ft (1000 W/m²), temperature 77°F (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 68°F (20°C), windspeed 3.3 ft/s (1 m/s). *Where xxx indicates the nominal power class (P_{MAX}) at STC above.

CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730
IEC 62804 PID
IEC 61701 Salt Mist
IEC 62716 Ammonia Resistance
UL 61730 Fire Type Class 2
IEC 62782 Dynamic Mechanical Load
IEC 61215-2:2016 Hailstone (35mm)
ISO 14001, ISO 9001, IEC 45001, IEC 62941



TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44.3°C (±2°C)
Temperature coefficient of P _{MAX} :	-0.34 %/°C
Temperature coefficient of V _{OC} :	-0.26 %/°C
Temperature coefficient of I _{SC} :	0.04 %/°C

*The temperature coefficients stated are linear values

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (146 lbs/ft ²)*
Maximum test load (rear):	-4000 Pa (83.5 lbs/ft ²)*
Max series fuse rating:	25 A
Max reverse current:	25 A

*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
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

DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	858 (26 pallets)
Panels per 53 ft truck:	924 (28 pallets)

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:

