

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



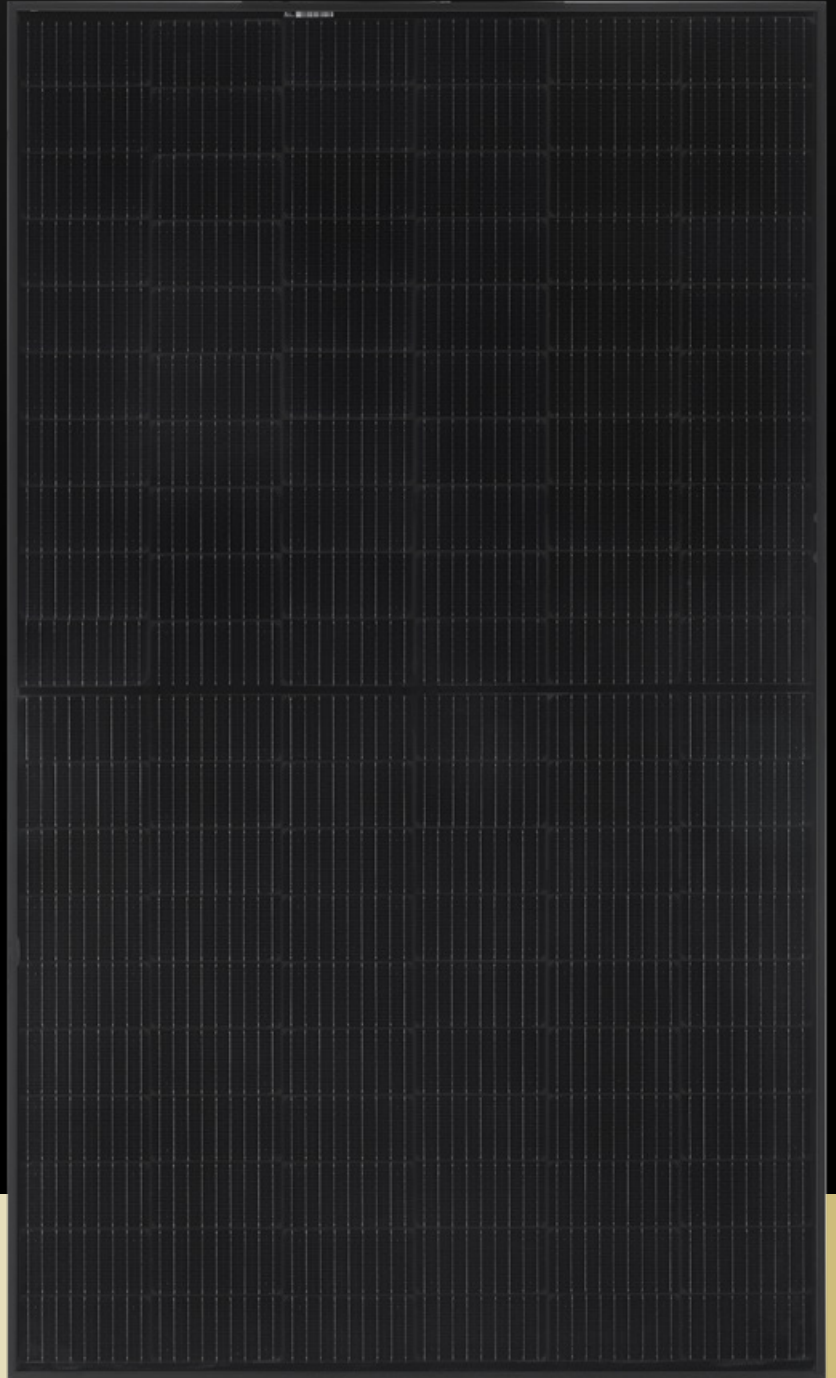
FLEXIBLE  
INSTALLATION  
OPTIONS



FEATURING REC'S  
PIONEERING  
TWIN DESIGN



HIGH POWER  
FOR 25 YEARS



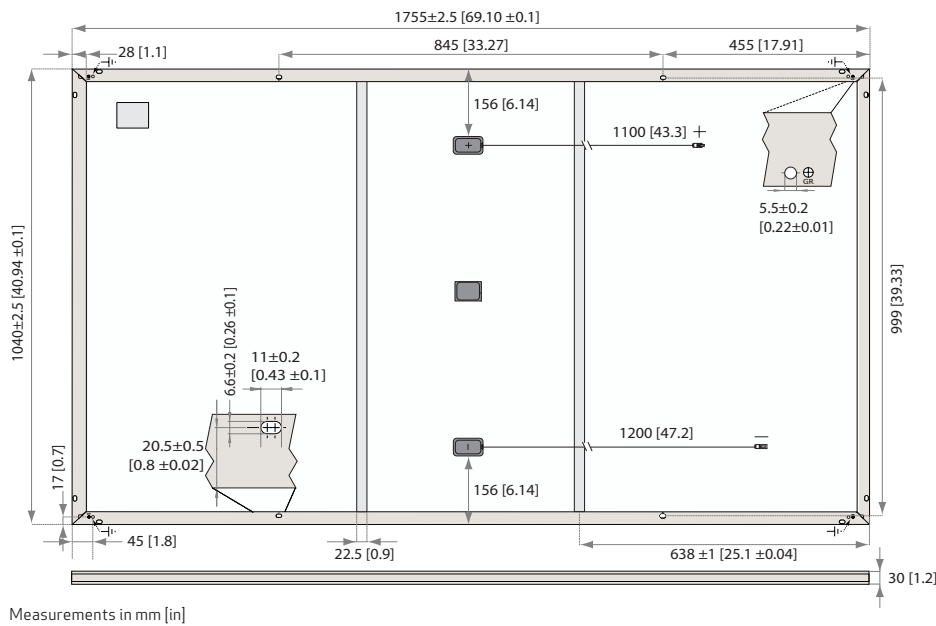
370  
WP  
POWER



ELIGIBLE

DATA VERIFIED BY  
SOLAR ANALYTICA.

# REC N-PEAK 2 BLACK SERIES



## GENERAL DATA

Cell type:	120 half-cut mono c-Si n-type cells 6 strings of 20 cells in series
Glass:	3.2 mm solar glass with anti-reflection surface treatment
Backsheet:	Highly resistant polymeric construction (black)
Frame:	Anodized aluminum (black) with silver support bars
Junction box:	3-part, 3 bypass diodes, IP68 rated in accordance with IEC 62790
Cable:	4 mm <sup>2</sup> solar cable, 1.1 m + 1.2 m in accordance with EN 50618
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm <sup>2</sup> ) in accordance with IEC 62852 IP68 only when connected
Origin:	Made in Singapore

## MECHANICAL DATA

Dimensions:	1755 x 1040 x 30 mm
Area:	1.83 m <sup>2</sup>
Weight:	20.0 kg

## ELECTRICAL DATA @ STC

### Product code\*: RECxxxNP2 Black

	350	355	360	365	370
Nominal Power - P <sub>MAX</sub> (Wp)	350	355	360	365	370
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	33.1	33.5	33.9	34.3	34.7
Nominal Power Current - I <sub>MPP</sub> (A)	10.57	10.60	10.62	10.65	10.68
Open Circuit Voltage - V <sub>OC</sub> (V)	40.6	40.7	40.8	40.9	41.1
Short Circuit Current - I <sub>SC</sub> (A)	11.22	11.27	11.31	11.36	11.41
Panel Efficiency (%)	19.1	19.4	19.7	20.0	20.3

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with tolerance of P<sub>MAX</sub>, V<sub>OC</sub> & I<sub>SC</sub> ±3% within one watt class. \*Where xxx indicates the nominal power class (P<sub>MAX</sub>) at STC above.

## ELECTRICAL DATA @ NMOT

### Product code\*: RECxxxNP2 Black

	264	268	272	276	280
Nominal Power - P <sub>MAX</sub> (Wp)	264	268	272	276	280
Nominal Power Voltage - V <sub>MPP</sub> (V)	31.0	31.3	31.7	32.1	32.5
Nominal Power Current - I <sub>MPP</sub> (A)	8.54	8.56	8.58	8.60	8.63
Open Circuit Voltage - V <sub>OC</sub> (V)	38.0	38.1	38.2	38.2	38.4
Short Circuit Current - I <sub>SC</sub> (A)	9.06	9.10	9.13	9.18	9.22

Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s). \*Where xxx indicates the nominal power class (P<sub>MAX</sub>) at STC above.

## CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730	
IEC 62804	PID
IEC 61701	Salt Mist
IEC 62716	Ammonia Resistance
ISO 11925-2	Ignitability (Class E)
IEC 62782	Dynamic Mechanical Load
IEC 61215-2:2016	Hailstone (35mm)
ISO 14001:2004, ISO 9001:2015, OHSAS 18001:2007, IEC 62941	



## 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	0.25%	0.25%	0.25%
Power in Year 25	92%	92%	92%

See warranty documents for details. Some conditions apply.

## MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (713 kg/m <sup>2</sup> )*
Maximum test load (rear):	-4000 Pa (407 kg/m <sup>2</sup> )*
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)

## TEMPERATURE RATINGS \*

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

\* The temperature coefficients stated are linear values

## LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:

