

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



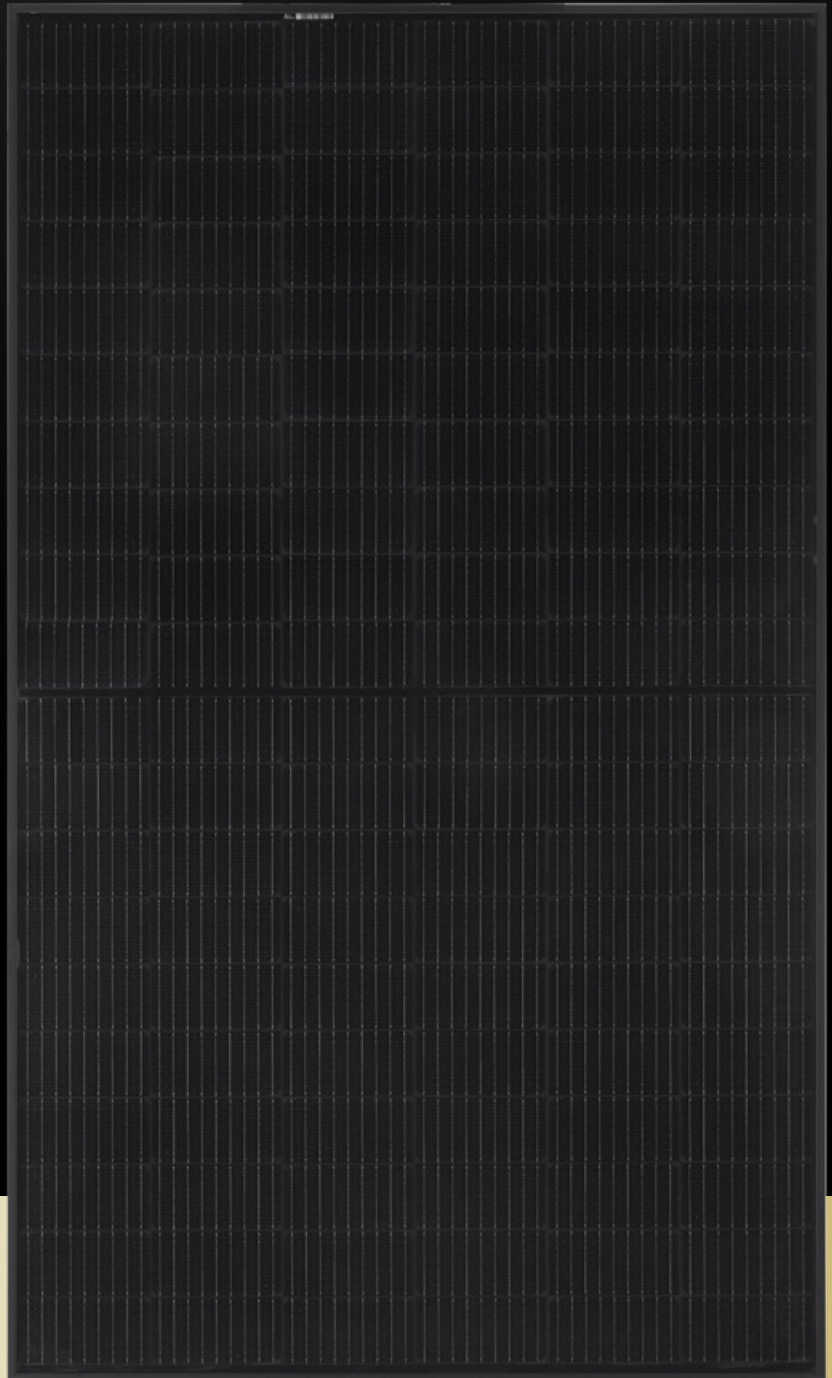
FLEXIBLE  
INSTALLATION  
OPTIONS



FEATURING REC'S  
PIONEERING  
TWIN DESIGN



HIGH POWER  
FOR 25 YEARS



370  
WP  
POWER



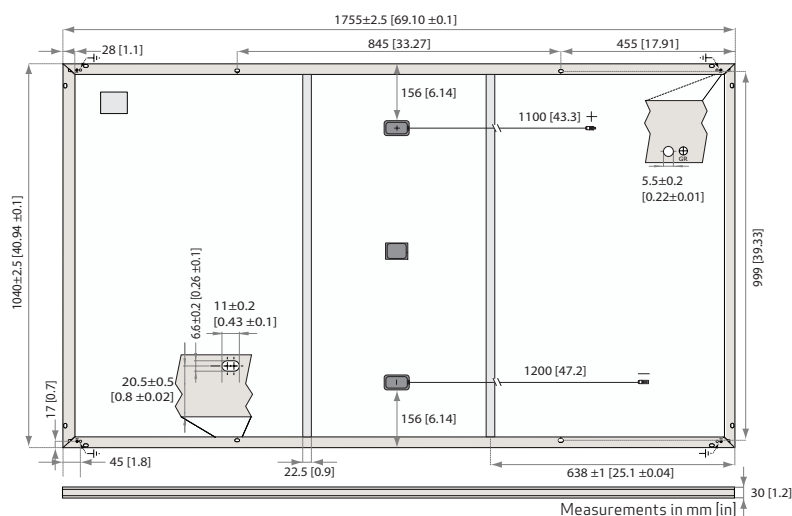
ELIGIBLE

# REC N-PEAK 2 BLACK SERIES

## PRODUCT SPECIFICATIONS

### 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-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 <sup>2</sup> ) in accordance with IEC 62852, IP68 only when connected
Cable:	4 mm <sup>2</sup> solar cable, 1.1 m + 1.2 m in accordance with EN 50618
Dimensions:	1755 x 1040 x 30 mm (1.83 m <sup>2</sup> )
Weight:	20.0 kg
Origin:	Made in Singapore



### ELECTRICAL DATA

#### Product Code\*: RECxxxNP2 Black

Power Output - 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)	11.25	11.27	11.31	11.36	11.41
Panel Efficiency (%)	19.1	19.4	19.7	20.0	20.3
Power Output - 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

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 a tolerance of P<sub>MAX</sub>, V<sub>OC</sub> & I<sub>SC</sub> ±3% within one watt class. 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, ISO 9001, IEC 45001, IEC 62941



takeaway  
for the easy way  
take-e-way WEEE-compliant  
recycling scheme

### 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

### 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)

### 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
Power Warranty (yrs)	25	25
Labor Warranty (yrs)	0	25
Power in Year 1	98%	98%
Annual Degradation	0.25%	0.25%
Power in Year 25	92%	92%

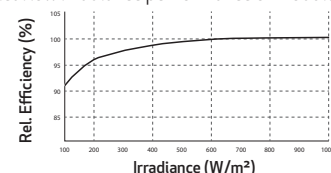
See warranty documents for details. Conditions apply

### DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	858 (26 pallets)
Panels per 13.6 m truck:	924 (28 pallets)
Panels per 53 ft truck:	924 (28 pallets)

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.