

SOLAR'S MOST TRUSTED



# REC N-PEAK 3 BLACK SERIES

PREMIUM FULL BLACK MONO N-TYPE SOLAR PANELS



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



NO LIGHT INDUCED DEGRADATION



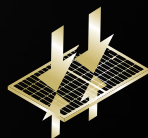
SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD



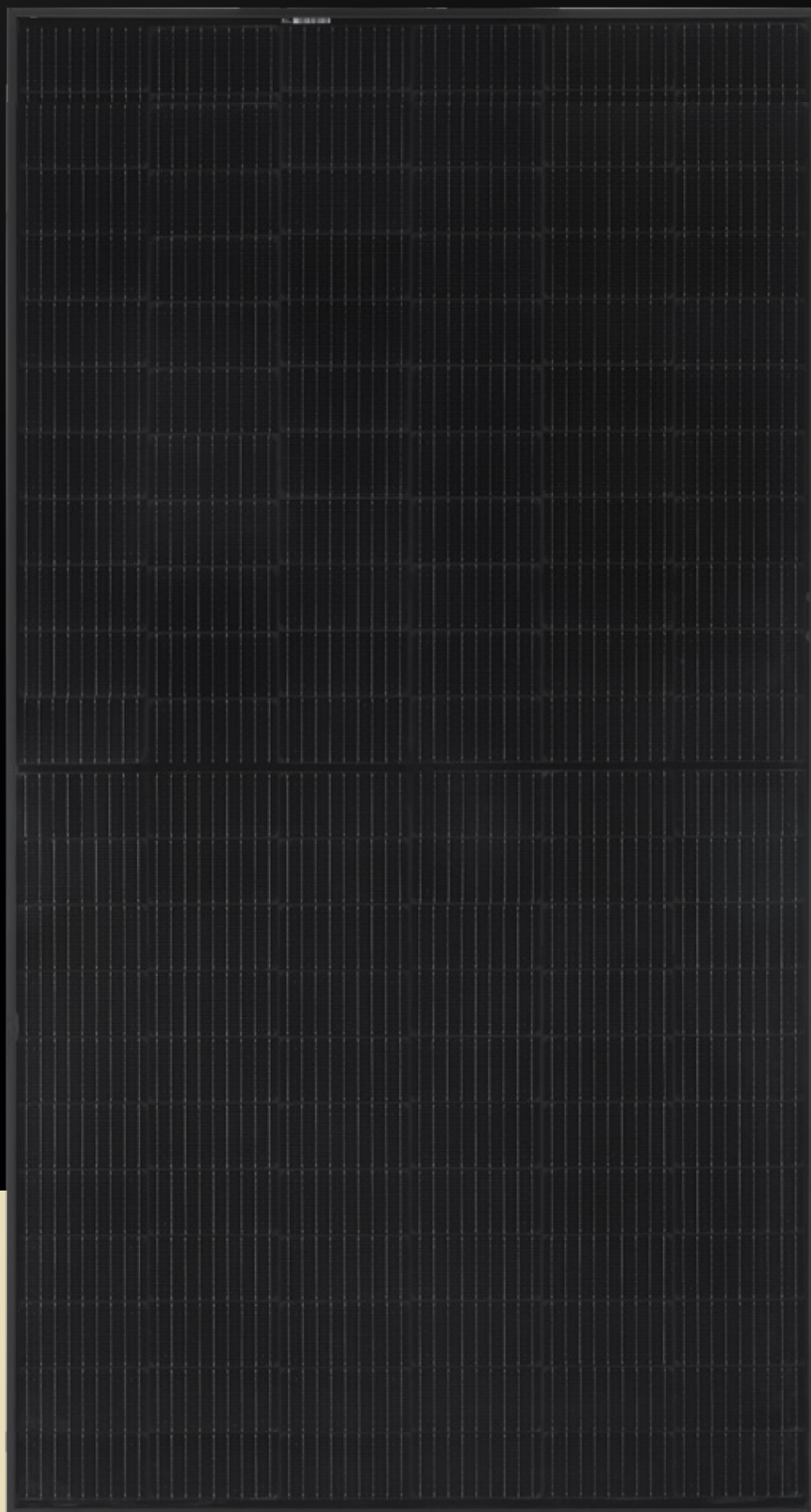
FLEXIBLE INSTALLATION OPTIONS



FEATURING REC'S PIONEERING TWIN DESIGN



BIFACIAL CELLS CAN PRODUCE ENERGY FROM BOTH SIDES



400 WP POWER



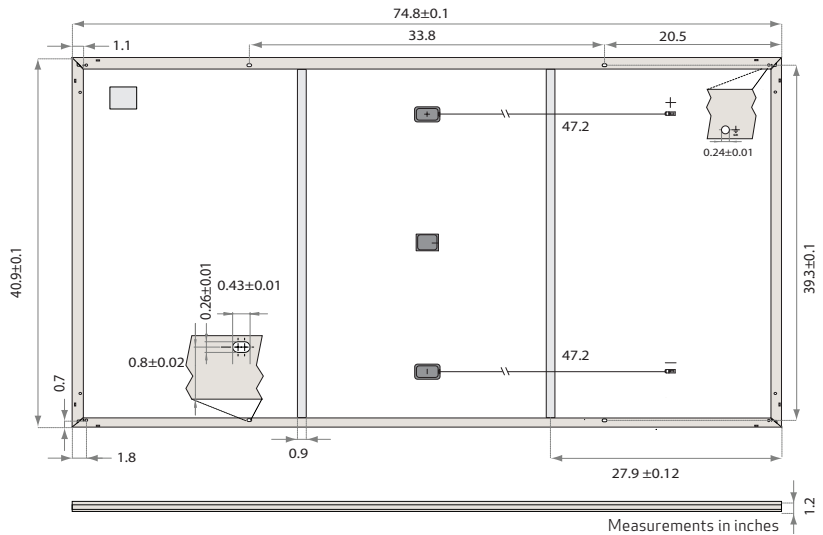
ELIGIBLE

# REC N-PEAK 3 BLACK SERIES

## PRODUCT SPECIFICATIONS

### GENERAL DATA

Cell type:	132 half-cut mono c-Si n-type cells 6 strings of 22 cells in series
Glass:	0.13 in 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:	12 AWG (4 mm <sup>2</sup> ) PV wire, 47.2 + 47.2 in in accordance with EN 50618
Dimensions:	74.8 x 40.9 x 1.2 in (19.7 sq-ft)
Weight:	47.0 lbs
Origin:	Made in Singapore



### ELECTRICAL DATA

#### Product Code\*: RECxxxNP3 Black

	390	400
Power Output - P <sub>MAX</sub> (Wp)	390	400
Watt Class Sorting - (W)	0/+10	0/+10
Nominal Power Voltage - V <sub>MPP</sub> (V)	36.8	37.6
Nominal Power Current - I <sub>MPP</sub> (A)	10.60	10.64
Open Circuit Voltage - V <sub>OC</sub> (V)	44.8	45.0
Short Circuit Current - I <sub>SC</sub> (A)	11.31	11.39
Panel Efficiency (%)	19.8	20.3
<hr/>		
Power Output - P <sub>MAX</sub> (Wp)	295	302
Nominal Power Voltage - V <sub>MPP</sub> (V)	34.4	35.2
Nominal Power Current - I <sub>MPP</sub> (A)	8.56	8.59
Open Circuit Voltage - V <sub>OC</sub> (V)	41.9	42.1
Short Circuit Current - I <sub>SC</sub> (A)	9.13	9.20

Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 W/sq ft (1000 W/m<sup>2</sup>), temperature 77°F (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 68°F (20°C), windspeed 3.3 ft/s (1 m/s). \*Where xxx indicates the nominal power class (P<sub>MAX</sub>) at STC above.

### CERTIFICATIONS (PENDING)

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 (1.37in)
ISO 14001, ISO 9001, IEC 45001, IEC 62941



### 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...+185°F
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (146 lbs/sq-ft)*
Maximum test load (rear):	-4000 Pa (83.5 lbs/sq-ft)*
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	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%

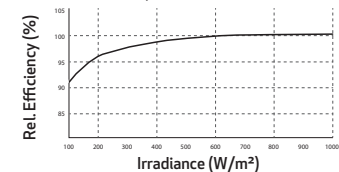
See warranty documents for details. Conditions apply

### DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	792 (24 pallets)
Panels per 53 ft truck:	TBD

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Available from: