

# 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





FLEXIBLE INSTALLATIONS



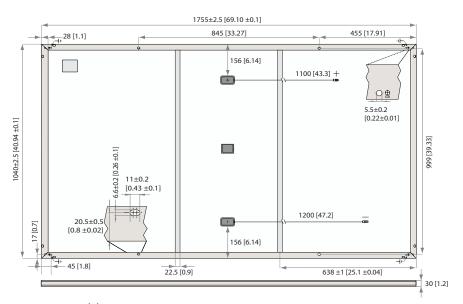


HIGH POWE FOR 25 YEA





# REC N-PEAK 2 BLACK SERIE



Measurements in mm [in]

ELECTRICAL DATA @ STC	Product code*: R	Product code*: RECxxxNP2 Black			
Nominal Power - P <sub>MAX</sub> (Wp)	355	360	365	370	
Watt Class Sorting-(W)	0/+5	0/+5	0/+5	0/+5	
Nominal Power Voltage - V <sub>MPP</sub> (V)	33.5	33.9	34.3	34.7	
Nominal Power Current - I <sub>MPP</sub> (A)	10.60	10.62	10.65	10.68	
Open Circuit Voltage - V <sub>oc</sub> (V)	40.7	40.8	40.9	41.1	
$ShortCircuitCurrent-l_{SC}(A)$	11.27	11.31	11.36	11.41	
Panel Efficiency (%)	19.4	19.7	20.0	20.3	
•					

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  $P_{\text{MAX}}$ ,  $V_{\text{OC}}$  &  $I_{\text{SC}}$  ±3% within one watt class.\* Where xxx indicates the nominal power class ( $P_{\text{MAX}}$ ) at STC above.

ELECTRICAL DATA @ NOCT	Product code*: RECxxxNP2 Black			
Nominal Power - P <sub>MAX</sub> (Wp)	268	272	276	280
Nominal Power Voltage - V <sub>MPP</sub> (V)	31.3	31.7	32.1	32.5
Nominal Power Current - I <sub>MPP</sub> (A)	8.56	8.58	8.60	8.63
Open Circuit Voltage - V <sub>oc</sub> (V)	38.1	38.2	38.2	38.4
$ShortCircuitCurrent-I_{SC}(A)$	9.10	9.13	9.18	9.22

WARRANTY

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**

IEC 61215:2016, IEC 61730:2016, UL 61730 (Pending) ISO 14001:2004, ISO 9001:2015, OHSAS 18001:2007, IEC 62941





MAIMANT I							
Standard	REC ProTrust						
No	Yes	Yes					
any	≤25 kW	25-500 kW					
20	25	25					
25	25	25					
0	25	10					
98%	98%	98%					
0.25%	0.25%	0.25%					
92%	92%	92%					
	No any 20 25 0 98% 0.25%	No Yes  any <25 kW 20 25 25 25 0 25 98% 98% 0.25% 0.25%					

See warranty documents for details. Some conditions apply.

#### **GENERAL DATA**

120 half-cut mono c-Sin-type cells Cell type: 6 strings of 20 cells in series

0.13" (3.2 mm) solar glass with Glass: anti-reflection surface treatment

Highly resistant polymeric Backsheet:

construction (black)

Frame: Anodized aluminum (black) Junction box:

3-part, 3 bypass diodes, IP68 rated in accordance with IEC 62790

Cable: 12 AWG (4 mm<sup>2</sup>) PV wire, 43 + 47" (1.1 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**

69.1 x 40.94 x 1.2 in (1755 x 1040 x 30 mm) **Dimensions:** 19.70 sq ft (1.83 m<sup>2</sup>) Area: Weight: 44.0 lbs (20.0 kg)

# **MAXIMUM RATINGS**

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

See installation manual for mounting instructions. Design load = Test load / 1.5 (safety factor)

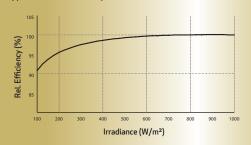
### **TEMPERATURE RATINGS**

Nominal Operating Cell 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.





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