

REC N-PEAK BLK2 SERIES

PREMIUM FULL BLACK MONO N-TYPE SOLAR PANELS WITH SUPERIOR PERFORMANCE



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



NO LIGHT INDUCED DEGRADATION



SUPER-STRONG FRAME UP TO 7000 PA



FLEXIBLE INSTALLATION OPTIONS



IMPROVED
PERFORMANCE IN
SHADED CONDITIONS



GUARANTEED HIGH POWER OVER LIFETIME

325 WP

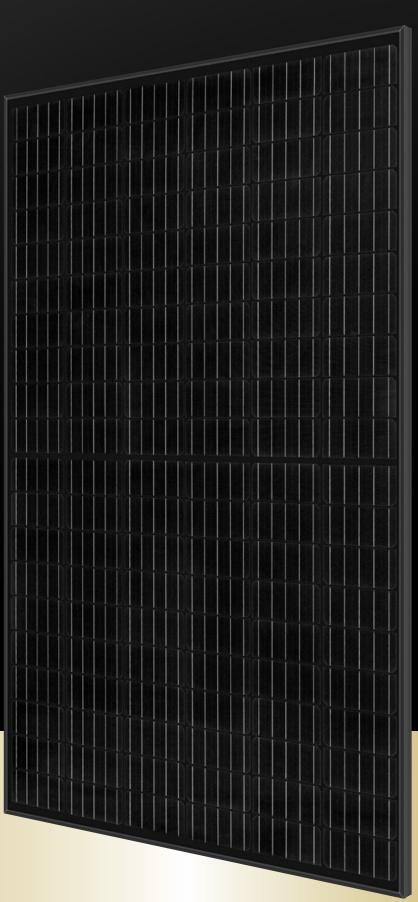
POWER

20

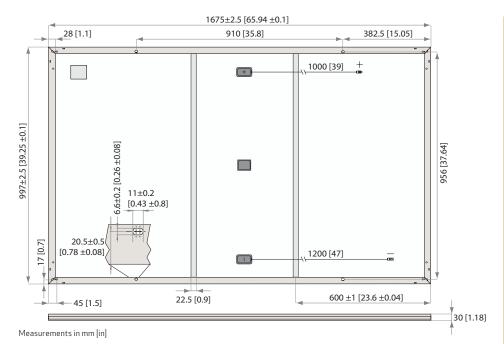
YEAR PRODUCT WARRANTY

0.5%

ANNUAL DEGRADATION OVER 25-YEAR POWER WARRANTY



REC N-PEAK BLK2 SERIE



ELECTRICAL DATA @ STC	Product code*: RECxxxNP BLK2			
Nominal Power - P _{MPP} (Wp)	310	315	320	325
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V _{MPP} (V)	33.6	33.9	34.2	34.4
Nominal Power Current - I _{MPP} (A)	9.24	9.31	9.37	9.46
Open Circuit Voltage - $V_{OC}(V)$	40.2	40.5	40.8	41.0
Short Circuit Current - I _{SC} (A)	10.01	10.09	10.18	10.27
Panel Efficiency (%)	18.6	18.9	19.2	19.5

tolerance of $V_{OC} \& I_{SC} \pm 3\%$ within one watt class.* Where xxx indicates the nominal power class (P_{MPP}) at STC above.

Product code*: R	Product code*: RECxxxNP BLK2			
234	238	241	245	
31.1	31.4	31.7	31.9	
7.51	7.56	7.62	7.69	
37.3	37.5	37.8	38.0	
8.01	8.07	8.14	8.22	
	234 31.1 7.51	234 238 31.1 31.4 7.51 7.56	234 238 241 31.1 31.4 31.7 7.51 7.56 7.62	

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_{MPP}) at STC above.

CERTIFICATIONS









Pending: UL 1703 (Fire type 2); IEC 61215, IEC 61730, IEC 62804 (PID), IEC 61701 (Salt Mist), IEC 62716 (Ammonia), ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

WARRANTY

20 year product warranty 25 year linear power output warranty, maximum degression in performance of 0.5% p.a., giving 86% at end of year 25.

See warranty conditions for further details

GENERAL DATA

Backsheet:

Cell type: 120 half-cut n-type mono c-Si cells

6 strings of 20 cells in series

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

Highly reflective and resistant

polymeric construction (black)

Frame: Anodized aluminum (black) 3-part, 3 bypass diodes, IP67 rated Junction box:

in accordance with IEC 62790

Cable: 12 AWG (4 mm²) PV wire, 39 + 47" (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

Made in Singapore Origin:

MECHANICAL DATA

Dimensions: 65.9 x 39.25 x 1.1" (1675 x 997 x 30 mm) 17.98 ft²(1.67 m²) Area: Weight: 39.7 lbs (18 kg)

MAXIMUM RATINGS

Operational temperature: -40 ... +85°C Maximum system voltage: 1000 V 4666 Pa (97.5 lbs/ft2)* Design load (+): snow Maximum test load (+): 7000 Pa (146 lbs/ft2)3 Design load (-): wind 1600 Pa (33.4 lbs/ft2)* 2400 Pa (50 lbs/ft²)* Maximum test load (-): Max series fuse rating: 25 A Max reverse current: 25 A

> *Calculated using a safety factor of 1.5 *See installation manual for mounting instructions

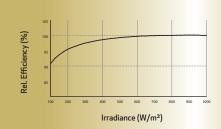
TEMPERATURE RATINGS*

Nominal Operating Cell Temperature: 44°C(±2°C) Temperature coefficient of P_{MPP}: -0.35 %/°C Temperature coefficient of V_{oc} : -0.27 %/°C Temperature coefficient of I_{sc}: 0.04 %/°C

*The temperature coefficients stated are linear values

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC.



Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs more than 2,000 people worldwide, producing 1.5 GW of solar panels annually.

