

# REC TWINPEAK 2 BLK2 SERIES

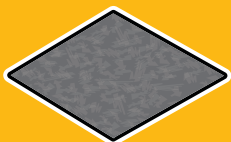
## PREMIUM SOLAR PANELS 100% MADE IN SINGAPORE

REC TwinPeak 2 BLK2 Series solar panels feature an innovative design with high panel efficiency and power output, enabling customers to get the most out of the space used for the installation.

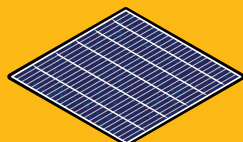
Combined with industry-leading product quality and the reliability of a strong and established European brand, REC TwinPeak 2 BLK2 panels are ideal for residential rooftops worldwide.



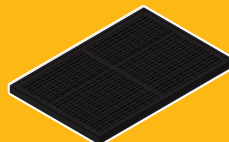
## INTEGRATED MANUFACTURING IN SINGAPORE



WAFERS



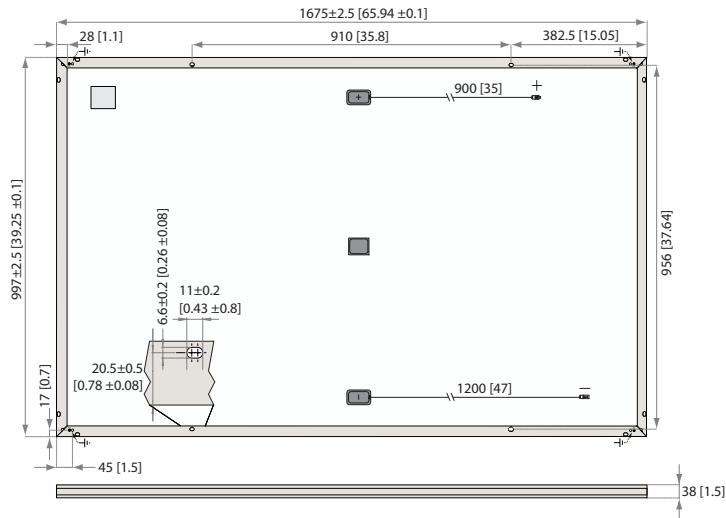
CELLS



MODULES



# REC TWINPEAK 2 BLK2 SERIES



All measurements in mm [in]

ELECTRICAL DATA @ STC	Product code*: RECxxxTP2 BLK2		
Nominal Power - $P_{MPP}$ (Wp)	275	280	285
Watt Class Sorting - (W)	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	31.6	31.8	32.0
Nominal Power Current - $I_{MPP}$ (A)	8.71	8.82	8.92
Open Circuit Voltage - $V_{OC}$ (V)	38.2	38.4	38.6
Short Circuit Current - $I_{SC}$ (A)	9.28	9.39	9.40
Panel Efficiency (%)	16.5	16.8	17.1

Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C).  
At low irradiance of 200 W/m<sup>2</sup> (AM 1.5 and cell temperature 25°C) at least 95% of the STC panel efficiency will be achieved.  
\*xxx in the product code indicates the nominal power class ( $P_{MPP}$ ) at STC as indicated above.

ELECTRICAL DATA @ NOCT	Product code*: RECxxxTP2 BLK2		
Nominal Power - $P_{MPP}$ (Wp)	203	206	210
Nominal Power Voltage - $V_{MPP}$ (V)	29.1	29.3	29.5
Nominal Power Current - $I_{MPP}$ (A)	6.96	7.04	7.13
Open Circuit Voltage - $V_{OC}$ (V)	35.2	35.4	35.6
Short Circuit Current - $I_{SC}$ (A)	7.52	7.51	7.59

Nominal operating cell temperature NOCT (800 W/m<sup>2</sup>, AM 1.5, windspeed 1 m/s, ambient temperature 20°C).  
\*xxx in the product code indicates the nominal power class ( $P_{MPP}$ ) at STC as indicated above.

**CERTIFICATION**

UL 1703, Fire classification Type 2; IEC 61215, IEC 61730, IEC 62804 (PID), IEC 62716 (Ammonia), IEC 61701 (Salt Mist level 6), IEC 60068-2-68 (Blowing Sand), ISO 11925-2 (Class E), ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

**WARRANTY**

20 year product warranty.  
25 year linear power output warranty  
(max. degradation in performance of 0.7% p.a.)

17.1% EFFICIENCY  
20 YEAR PRODUCT WARRANTY  
25 YEAR LINEAR POWER OUTPUT WARRANTY

**TEMPERATURE RATINGS**

Nominal Operating Cell Temperature (NOCT)	44.6°C (±2°C)
Temperature Coefficient of $P_{MPP}$	-0.36 %/°C
Temperature Coefficient of $V_{OC}$	-0.30 %/°C
Temperature Coefficient of $I_{SC}$	0.066 %/°C

**GENERAL DATA**

Cell type:	6 strings of 20 REC HC multicrystalline PERC
Glass:	0.13" (3.2 mm) solar glass with anti-reflective surface treatment
Back sheet:	Highly resistant polyester polyolefin construction (black)
Frame:	Anodized aluminum (black)
Junction box:	IP67, 3-part with 3 bypass diodes 12 AWG (4 mm <sup>2</sup> ) PV wire, 35" + 47" (0.9 + 1.2 m)
Connectors:	Stäubli MC4 PV-KBT4/PV-KST4 12 AWG (4 mm <sup>2</sup> )
Origins:	Silicon: Made in USA & Norway Wafer/Cell/Module: Made in Singapore

**MAXIMUM RATINGS**

Operational Temperature:	-40 ... +185°F (-40 - 85°C)
Maximum System Voltage:	1000 V
Design Load <sup>1</sup> :	(+) 75.2 lbs/ft <sup>2</sup> (3600 Pa) (-) 33.4 lbs/ft <sup>2</sup> (1600 Pa) <sup>1</sup> Refer to installation manual
Max Series Fuse Rating:	20 A
Max Reverse Current:	20 A

**MECHANICAL DATA**

Dimensions:	65.94 x 39.25 x 1.5 in (1675 x 997 x 38 mm)
Area:	17.98 ft <sup>2</sup> (1.67 m <sup>2</sup> )
Weight:	40.8 lbs (18.5 kg)

**Note!** Specifications subject to change without notice.



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