

SOLAR'S MOST TRUSTED



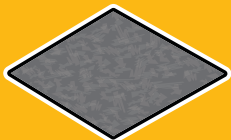
# REC TWINPEAK 2 BLK2 SERIES

**PREMIUM SOLAR PANELS  
100% MADE IN SINGAPORE**

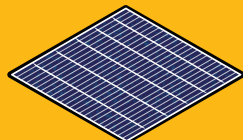
REC TwinPeak 2 BLK2 Series solar panels feature an innovative design with high panel efficiency and power output, enabling customers to get the most out of the space used for the installation.

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.

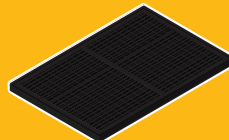
## INTEGRATED MANUFACTURING IN SINGAPORE



WAFERS



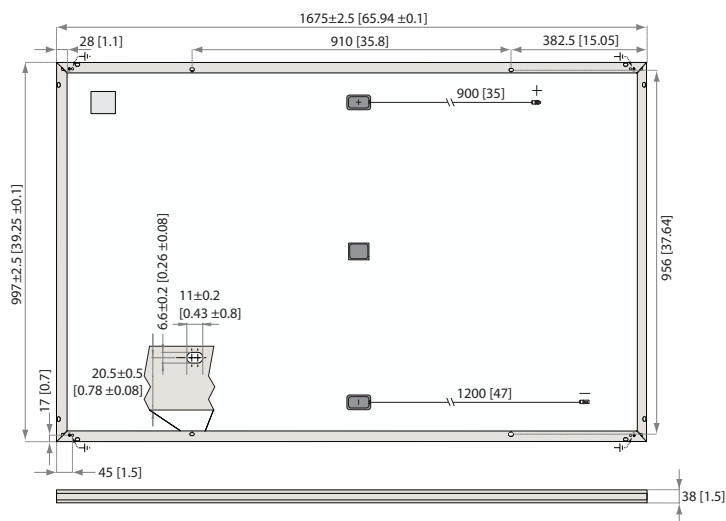
CELLS



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

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

17.1%

EFFICIENCY

10

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 12AWG (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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