SOLAR'S MOST TRUSTED REC

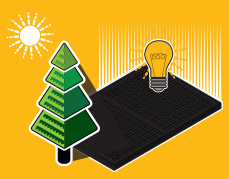
REC TWINPEAK 2 BLK2 SERIES

PREMIUM BLACK SOLAR PANELS WITH SUPERIOR PERFORMANCE

REC TwinPeak 2 BLK2 Series solar panels feature an innovative cell technology for a uniform and aesthetic appearance 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 installations on darker colored residential and commercial rooftops where appearance is a priority.

MORE POWER OUTPUT PER M²



IMPROVED PERFORMANCE IN SHADED CONDITIONS

100% PID FREE

FULLY BLACK MODULE DESIGN FOR EXCEPTIONAL APPEARANCE

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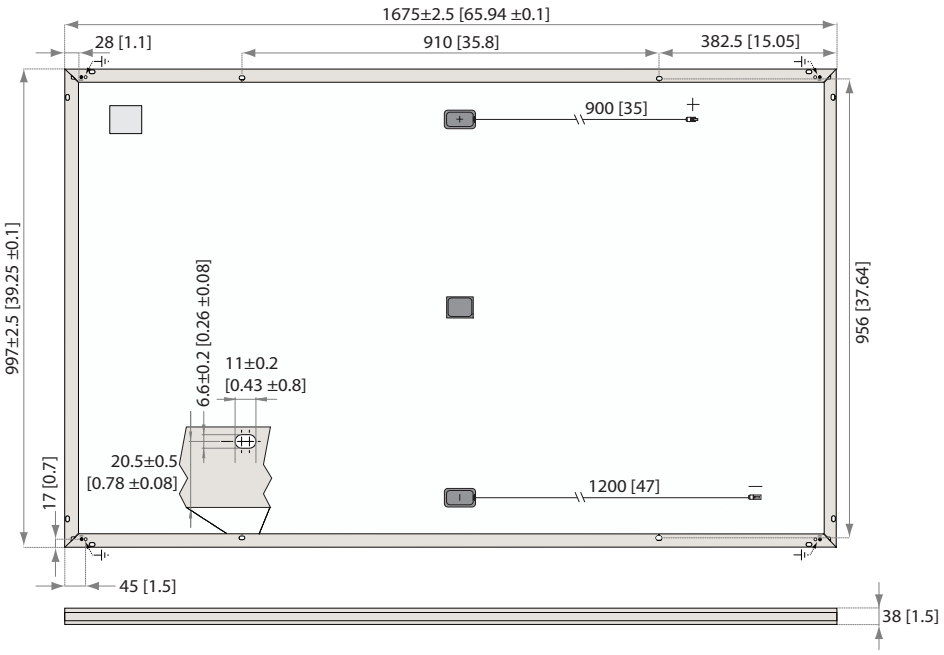

Measurements in mm [in]

17.1% EFFICIENCY

20 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

GENERAL DATA

Cell type:	120 half-cut multicrystalline PERC cells 6 strings of 20 cells in series
Glass:	3.2 mm solar glass with anti-reflection surface treatment
Backsheet:	Highly resistant polyester polyolefin construction (black)
Frame:	Anodized aluminum (black)
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable:	4 mm² solar cable, 0.9 m + 1.2 m in accordance with EN 50618
Connectors:	Stäubli MC4 PV-KBT4/PV-KST4 (4mm²) in accordance with IEC 62852, IP68 only when connected
Origin:	Made in Singapore

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	9.49
Panel Efficiency (%)	16.5	16.8	17.1

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 V_{OC} & I_{SC} ±3% within one watt class. At a low irradiance of 200 W/m² at least 95% of the STC module efficiency will be achieved.
*Where xxx indicates the nominal power class (P_{MPP}) at STC indicated above.

ELECTRICAL DATA @ NMOT

Product code*: RECxxxTP2 BLK2			
Nominal Power - P_{MPP} (Wp)	207	211	215
Nominal Power Voltage - V_{MPP} (V)	29.3	29.4	29.6
Nominal Power Current - I_{MPP} (A)	7.08	7.17	7.25
Open Circuit Voltage - V_{OC} (V)	35.4	35.6	35.7
Short Circuit Current - I_{SC} (A)	7.54	7.63	7.72

Nominal module operating temperature (NMOT: 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 indicated above.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Design load (+): snow Maximum test load (+):	367 kg/m² (3600 Pa)* 550 kg/m² (5400 Pa)
Design load (-): wind Maximum test load (-):	163 kg/m² (1600 Pa)* 244 kg/m² (2400 Pa)
Max series fuse rating:	25 A
Max reverse current:	25 A

*Safety factor 1.5

TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	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

*The temperature coefficients stated are linear values

CERTIFICATIONS

IEC 61215, IEC 61730 & UL 1703; MCS 005, IEC 62804 (PID)
IEC 62716 (Ammonia Resistance), IEC 60068-2-68 (Blowing Sand)
IEC 61701 (Salt Mist level 6), UNI 8457/9174 (Class A), ISO 11925-2 (Class E)
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

take-e-way WEEE-compliant recycling scheme

WARRANTY

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

See warranty conditions for further details.

MECHANICAL DATA

Dimensions:	1675 x 997 x 38 mm
Area:	1.67 m²
Weight:	18.5 kg

Specifications subject to change without notice.

Ref: NE-05-07-12 Rev- D 01.19

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.

REC

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