## REC

REC TWINPEAK 2 SERIES

PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

REC TwinPeak 2 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 panels are ideal for residential and commercial rooftops worldwide.

MORE POWER OUTPUT PER M²
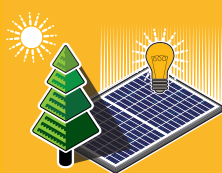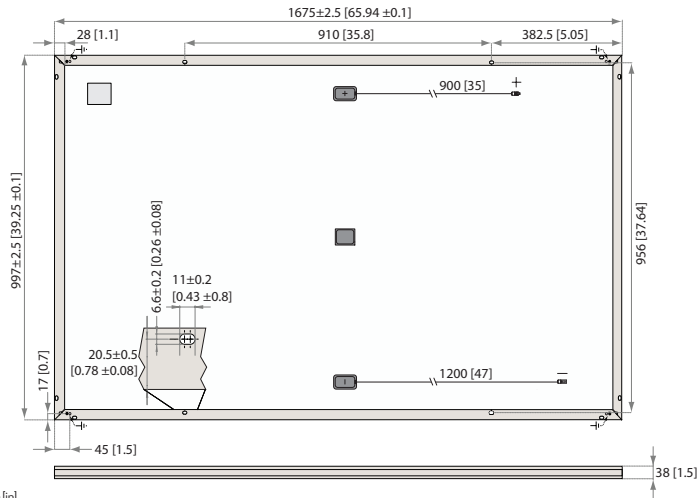
IMPROVED PERFORMANCE IN SHADED CONDITIONS

100% PID FREE

REDUCES BALANCE OF SYSTEM COSTS

REC TWINPEAK 2 SERIES

Measurements in mm [in]

17.7% 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}	-0.39 %/°C
Temperature coefficient of V_{OC}	-0.31 %/°C
Temperature coefficient of I_{SC}	0.045 %/°C

ELECTRICAL DATA @ STC

	Product Code*: RECxxxTP2				
Nominal Power - P_{MPP} (Wp)	275	280	285	290	295
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V_{MPP} (V)	31.5	31.7	31.9	32.1	32.3
Nominal Power Current - I_{MPP} (A)	8.74	8.84	8.95	9.05	9.14
Open Circuit Voltage - V_{OC} (V)	38.2	38.4	38.6	38.8	39.0
Short Circuit Current - I_{SC} (A)	9.30	9.39	9.49	9.58	9.65
Panel Efficiency (%)	16.5	16.8	17.1	17.4	17.7

Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m², cell temperature 25°C).
At low irradiance of 200 W/m² (AM 1.5 and cell temperature 25°C) at least 94% of the STC module efficiency will be achieved.
*Where xxx indicates the nominal power class (P_{MPP}) at STC indicated above, and can be followed by the suffix BLK for black framed modules.

ELECTRICAL DATA @ NOCT*

	Product Code*: RECxxxTP2				
Nominal Power - P_{MPP} (Wp)	206	210	214	218	223
Nominal Power Voltage - V_{MPP} (V)	29.2	29.4	29.6	29.8	30.0
Nominal Power Current - I_{MPP} (A)	7.07	7.15	7.24	7.32	7.43
Open Circuit Voltage - V_{OC} (V)	35.4	35.6	35.8	36.0	36.2
Short Circuit Current - I_{SC} (A)	7.52	7.59	7.68	7.75	7.85

Nominal operating cell temperature NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C).
*Where xxx indicates the nominal power class (P_{MPP}) at STC indicated above, and can be followed by the suffix BLK for black framed modules.

GENERAL DATA

Cell type:	120 REC HC multicrystalline 6 strings of 20 cells
Glass:	3.2 mm solar glass with anti-reflective surface treatment
Back sheet:	Highly resistant polyester polyolefin construction
Frame:	Anodized aluminum (available in silver or black)
Junction box:	IP67 rated, 3-part with bypass diodes 4 mm² solar cable, 0.9 m + 1.2 m
Connectors*:	Multi-Contact MC4 PV-KBT4/PV-KST4 (4 mm²) Tonglin TL-Cable01 (4 mm²) *Dependent on product type

MAXIMUM RATINGS

Operational temperature:	-40 … +85°C
Maximum system voltage:	1000 V
Maximum snow load:	550 kg/m² (5400 Pa)
Maximum wind load:	244 kg/m² (2400 Pa)
Max series fuse rating:	25 A
Max reverse current:	25 A

MECHANICAL DATA

Dimensions:	1675 x 997 x 38 mm
Area:	1.67 m²
Weight:	18 kg

CERTIFICATIONS

CE ☐ VDE CSA c US

IEC 61215, IEC 61730 & UL 1703. IEC 62804 (PID Free),
IEC 61701 (Salt Mist Level 6),IEC 62716 (Ammonia Resistance),
ISO 11925-2 (Ignitability Class E), UNI 8457/9174 (Class 1),
ISO 9001:2015, ISO 14001, OHSAS 18001

take e way
for an easy way
take-e-way WEEE Compliant
Recycling scheme

WARRANTY

10 year product warranty
25 year linear power output warranty
(max. degression in performance of 0.7% p.a.
from 97% after the first year)
See warranty conditions for further details.

Note! Specifications subject to change without notice.

Celebrating its 20th anniversary in 2016, REC is a leading European brand of solar panels. Through integrated manufacturing from polysilicon to wafers, cells, panels and turnkey solar solutions, REC strives to help meet the world's growing energy needs. Founded in 1996, REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC concluded 2015 with 2000 employees worldwide, 1.3 GW solar panel production capacity, and annual revenues of USD 755 million.

REC

www.recgroup.com

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