SOLAR'S MOST TRUSTED

REC

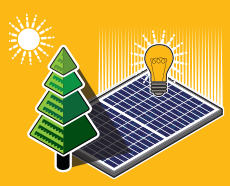
REC TWINPEAK 2 MONO SERIES

PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

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

MORE POWER OUTPUT PER M²

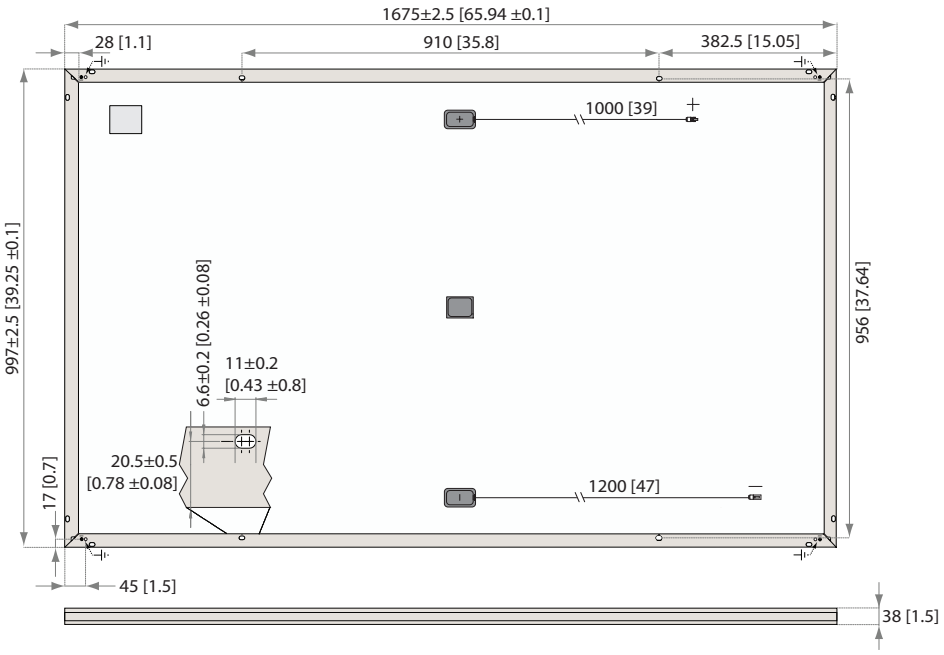


IMPROVED PERFORMANCE IN SHADED CONDITIONS

100% PID FREE

REDUCES BALANCE OF SYSTEM COSTS

REC TWINPEAK 2 MONO SERIES



Measurements in mm [in]

19.2% EFFICIENCY

20 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

GENERAL DATA

Cell type:	120 half-cut mono-Si p-type 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
Frame:	Anodized aluminum
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable:	4 mm² solar cable, 1.0 m + 1.2 m in accordance with EN 50618
Connectors:	Stäubli MC4 PV-KBT4/PV-KST4 (4 mm²) in accordance with IEC 62852, IP68 only when connected
Origin:	Made in Singapore

ELECTRICAL DATA @ STC

Product code*: RECxxxTP2M					
Nominal Power - P_{MPP} (Wp)	300	305	310	315	320
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V_{MPP} (V)	33.0	33.3	33.5	33.7	33.9
Nominal Power Current - I_{MPP} (A)	9.10	9.17	9.26	9.36	9.45
Open Circuit Voltage - V_{OC} (V)	39.5	39.7	39.8	39.9	40.0
Short Circuit Current - I_{SC} (A)	9.70	9.80	9.90	10.05	10.17
Panel Efficiency (%)	18.0	18.3	18.6	18.9	19.2

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.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Design load (+): snow Maximum test load (+):	3600 Pa (367 kg/m²)* 5400 Pa (550 kg/m²)*
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

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

ELECTRICAL DATA @ NMOT

Product code*: RECxxxTP2M					
Nominal Power - P_{MPP} (Wp)	224	228	232	236	240
Nominal Power Voltage - V_{MPP} (V)	30.5	30.8	31.0	31.2	31.4
Nominal Power Current - I_{MPP} (A)	7.35	7.41	7.48	7.56	7.64
Open Circuit Voltage - V_{OC} (V)	36.5	36.7	36.8	36.9	37.0
Short Circuit Current - I_{SC} (A)	7.84	7.92	8.00	8.12	8.22

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.

TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44.9°C (±2°C)
Temperature coefficient of P_{MPP}:	-0.37 %/°C
Temperature coefficient of V_{OC}:	-0.28 %/°C
Temperature coefficient of I_{SC}:	0.04 %/°C

*The temperature coefficients stated are linear values

CERTIFICATIONS

IEC 61215, IEC 61730 & UL 1703; IEC 62804 (PID)
IEC 62716 (Ammonia Resistance), IEC 61701 (Salt Mist Level 6),
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

WARRANTY

20 year product warranty
25 year linear power output warranty
Max. performance degression of 0.7% p.a. from 97.5% in year 1
See warranty conditions for further details.

MECHANICAL DATA

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

take-e-way WEEE-compliant recycling scheme

Specifications subject to change without notice.

Ref: NE-05-07-16 Rev- C.2 12.18

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.

www.recgroup.com