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.

* Product not available in Germany.

MORE POWER OUTPUT PER M²

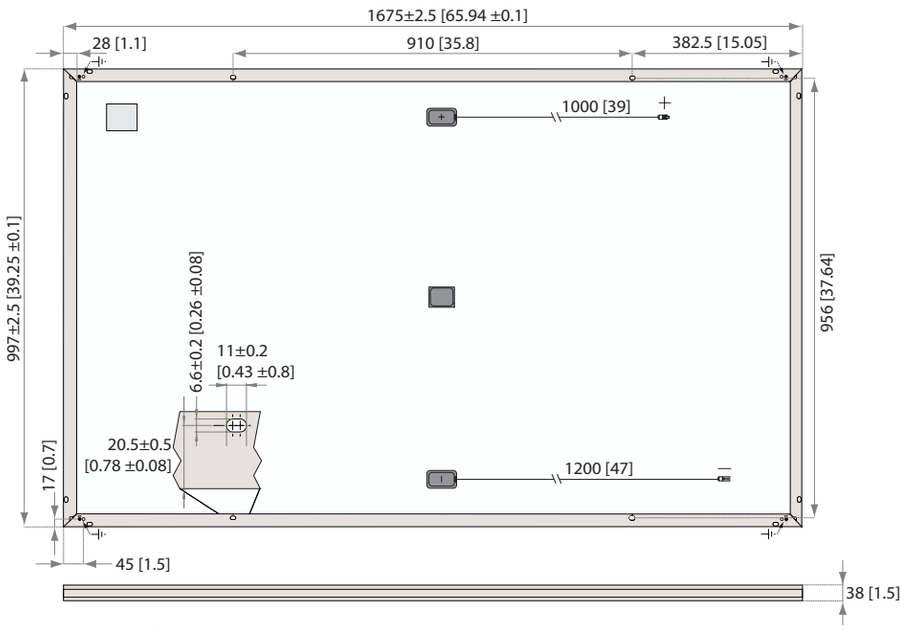
IMPROVED PERFORMANCE IN SHADED CONDITIONS

100% PID FREE

REDUCES BALANCE OF SYSTEM COSTS

ELIGIBLE FOR

REC TWINPEAK 2 MONO SERIES



Measurements in mm [in]

19.8% 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_{MAX} (Wp)	300	305	310	315	320	325	330
Watt Class Sorting - (W)	-0/+5	-0/+5	-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	34.0	34.3
Nominal Power Current - I_{MPP} (A)	9.11	9.17	9.26	9.36	9.45	9.56	9.62
Open Circuit Voltage - V_{OC} (V)	38.3	38.8	39.1	39.6	40.0	40.3	40.8
Short Circuit Current - I_{SC} (A)	10.01	10.04	10.07	10.10	10.13	10.15	10.19
Panel Efficiency (%)	18.0	18.3	18.6	18.9	19.2	19.5	19.8

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 P_{MAX}, 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_{MAX}) at STC indicated above.

ELECTRICAL DATA @ NMOT

Product code*: RECxxxTP2M							
Nominal Power - P_{MAX} (Wp)	224	227	231	235	239	242	246
Nominal Power Voltage - V_{MPP} (V)	30.7	31.0	31.2	31.4	31.6	31.7	31.9
Nominal Power Current - I_{MPP} (A)	7.29	7.34	7.41	7.49	7.56	7.65	7.70
Open Circuit Voltage - V_{OC} (V)	35.6	36.1	36.4	36.8	37.2	37.5	38.0
Short Circuit Current - I_{SC} (A)	8.01	8.03	8.06	8.08	8.10	8.12	8.15

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_{MAX}) at STC indicated above.

MAXIMUM RATINGS

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

TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44.6°C (±2°C)
Temperature coefficient of P_{MAX}:	-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 61730, IEC 62804 (PID)
IEC 62716 (Ammonia Resistance), IEC 61701 (Salt Mist Level 6),
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

take-e-way WEEE-compliant recycling scheme

WARRANTY

	Standard	REC ProTrust	
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	Any	≤25 kW	25-500 kW
Product Warranty (yrs)	20	25	25
Power Warranty (yrs)	25	25	25
Labor Warranty (yrs)	0	25	10
Power in Year 1	97.5%	97.5%	97.5%
Annual Degradation	0.7%	0.7%	0.7%
Power in Year 25	80.7%	80.7%	80.7%

See warranty documents for details. Some conditions apply.

MECHANICAL DATA

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

2019 TOP PERFORMER — PVEL / DNV·GL — PV MODULE RELIABILITY SCORECARD

2020 TOP PERFORMER — PVEL / DNV·GL — PV MODULE RELIABILITY SCORECARD

Specifications subject to change without notice.

Ref: PM-DS-07-16 Rev- H 12.20

REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power in order to facilitate global energy transitions. Committed to quality and innovation, REC offers photovoltaic modules with leading high quality, backed by an exceptional low warranty claims rate of less than 100ppm. Founded in Norway in 1996, REC employs 2,000 people and has an annual solar panel capacity of 1.8 GW. With over 10 GW installed worldwide, REC is empowering more than 16 million people with clean solar energy. REC Group is a Bluestar Elkem company with headquarters in Norway, operational headquarters in Singapore, and regional bases in North America, Europe, and Asia-Pacific.

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