

# 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.







IMPROVED PERFORMANCE IN SHADED CONDITIONS



100% PID FREE



REDUCES BALANCE OF SYSTEM COSTS

Measurements in mm [in]

Product code*: RECxxxTP2M						
300	305	310	315	320		
-0/+5	-0/+5	-0/+5	-0/+5	-0/+5		
33.0	33.3	33.5	33.7	33.9		
9.10	9.17	9.26	9.36	9.45		
39.5	39.7	39.8	39.9	40.0		
9.70	9.80	9.90	10.05	10.17		
18.0	18.3	18.6	18.9	19.2		
	300 -0/+5 33.0 9.10 39.5 9.70	300 305 -0/+5 -0/+5 33.0 33.3 9.10 9.17 39.5 39.7 9.70 9.80	300 305 310 -0/+5 -0/+5 -0/+5 33.0 33.3 33.5 9.10 9.17 9.26 39.5 39.7 39.8 9.70 9.80 9.90	300     305     310     315       -0/+5     -0/+5     -0/+5     -0/+5       33.0     33.3     33.5     33.7       9.10     9.17     9.26     9.36       39.5     39.7     39.8     39.9       9.70     9.80     9.90     10.05		

 $Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 \, W/m^2, temperature 25 ^{\circ}C), based on a production spread with a production of the standard test conditions of$ 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.

Product code*: RECxxxTP2M						
224	228	232	236	240		
30.5	30.8	31.0	31.2	31.4		
7.35	7.41	7.48	7.56	7.64		
36.5	36.7	36.8	36.9	37.0		
7.84	7.92	8.00	8.12	8.22		
	224 30.5 7.35	224     228       30.5     30.8       7.35     7.41	224     228     232       30.5     30.8     31.0       7.35     7.41     7.48	224     228     232     236       30.5     30.8     31.0     31.2       7.35     7.41     7.48     7.56		

Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s). \*Where xxx indicates the nominal power class ( $P_{\text{NMP}}$ ) at STC indicated above.

#### 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.

**EFFICIENCY** 

YEAR PRODUCT WARRANTY

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

Highly resistant polyester Backsheet. polyolefin construction

Anodized aluminum Junction box: 3-part, 3 bypass diodes, IP67 rated

in accordance with IEC 62790 Cable

4 mm<sup>2</sup> solar cable, 1.0 m + 1.2 m in accordance with EN 50618

Stäubli MC4 PV-KBT4/PV-KST4 (4 mm²) in accordance with IEC 62852, IP68 only when connected Origin: Made in Singapore

#### **MAXIMUM RATINGS**

Operational temperature: -40 ... +85°C Maximum system voltage: 1000 V Design load (+): snow 3600 Pa (367 kg/m<sup>2</sup>) 5400 Pa (550 kg/m²)\* Maximum test load (+): Design load (-): wind 163 kg/m<sup>2</sup> (1600 Pa)<sup>4</sup> 244 kg/m<sup>2</sup> (2400 Pa)<sup>3</sup> Maximum test load (-): Max series fuse rating: Max reverse current:

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

#### 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<sub>sc</sub>: 0.04 %/°C \*The temperature coefficients stated are linear values

### **MECHANICAL DATA**

**Dimensions** 1675 x 997 x 38 mm 1.67 m<sup>2</sup> Area: 18.5 kg Weight:

take way take-e-way WEEE-compliant recycling scheme



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