

# REC TWINPEAK 2 SERIES

**PREMIUM SOLAR PANELS  
100% MADE IN SINGAPORE**

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.



## INTEGRATED MANUFACTURING IN SINGAPORE



WAFERS



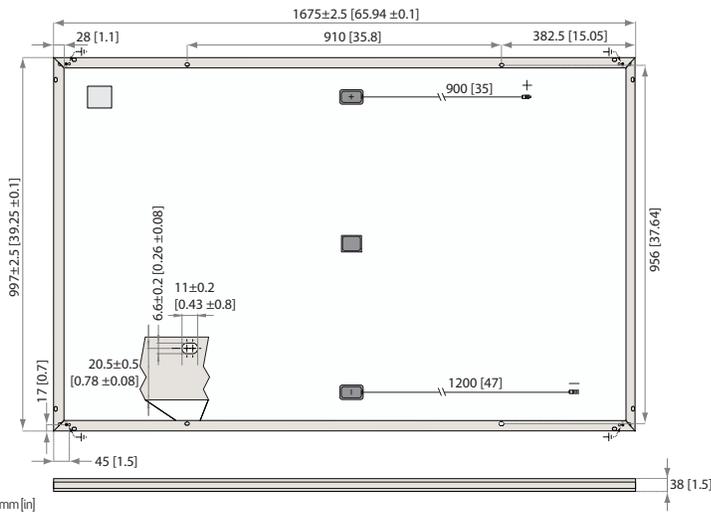
CELLS



MODULES



# REC TWINPEAK 2 SERIES



## ELECTRICAL DATA @ STC

### Product Code\*: RECxxxTP2

	275	280	285	290	295	300
Nominal Power - $P_{MPP}$ (Wp)	275	280	285	290	295	300
Watt Class Sorting - (W)	-0/+5	-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	32.5
Nominal Power Current - $I_{MPP}$ (A)	8.74	8.84	8.95	9.05	9.14	9.24
Open Circuit Voltage - $V_{OC}$ (V)	38.2	38.4	38.6	38.8	39.0	39.2
Short Circuit Current - $I_{SC}$ (A)	9.52	9.61	9.66	9.71	9.76	9.82
Panel Efficiency (%)	16.5	16.8	17.1	17.4	17.7	18.0

Values at standard test conditions STC (airmass AM1.5, irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C).

At low irradiance of 200 W/m<sup>2</sup> (AM1.5 and cell temperature 25°C) at least 95% of the STC module efficiency will be achieved.

\*Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC above, and can be followed by the suffix BLK for black framed modules.

## ELECTRICAL DATA @ NOCT

### Product Code\*: RECxxxTP2

	206	210	214	218	223	226
Nominal Power - $P_{MPP}$ (Wp)	206	210	214	218	223	226
Nominal Power Voltage - $V_{MPP}$ (V)	29.2	29.4	29.6	29.8	30.0	30.1
Nominal Power Current - $I_{MPP}$ (A)	7.07	7.15	7.24	7.32	7.43	7.51
Open Circuit Voltage - $V_{OC}$ (V)	35.4	35.6	35.8	36.0	36.2	36.3
Short Circuit Current - $I_{SC}$ (A)	7.52	7.59	7.68	7.75	7.85	7.91

Nominal operating cell temperature NOCT (800 W/m<sup>2</sup>, AM1.5, windspeed 1 m/s, ambient temperature 20°C).

(Max. performance degradation of 0.7% p.a. from 97.5% in year 1). See warranty conditions for further details.

## CERTIFICATIONS



UL 1703, Fire classification Type 2; IEC 61215, IEC 61730, IEC 62804 (PID), IEC 62716 (Ammonia), IEC 61701 (Salt Mist level 6), IEC 60068-2-68 (Blowing Sand), ISO 11925-2 (Class E) ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

## WARRANTY

20 year product warranty

25 year linear power output warranty

(Max. performance degradation of 0.7% p.a. from 97.5% in year 1)

See warranty conditions for further details.

18.0% EFFICIENCY

20 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

## TEMPERATURE RATINGS

Nominal operating cell temperature (NOCT) 44.6°C (±2°C)

Temperature coefficient of  $P_{MPP}$  -0.36 %/°C

Temperature coefficient of  $V_{OC}$  -0.30 %/°C

Temperature coefficient of  $I_{SC}$  0.066 %/°C

## GENERAL DATA

Cell type: 6 strings of 20 REC HC multicrystalline PERC

Glass: 0.13" (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 3 bypass diodes 12 AWG (4 mm<sup>2</sup>) PV wire, 35" + 47" (0.9 m + 1.2 m)

Connectors: Stäubli MC4 PV-KBT4/PV-KST4, 12 AWG (4 mm<sup>2</sup>)

Origins: Silicon: Made in USA & Norway Wafer/Cell/Module: Made in Singapore

## MAXIMUM RATINGS

Operational temperature: -40... +185°F (-40... +85°C)

Maximum system voltage: 1000 V

Design Loads: (+) 75.2 lbs/ft<sup>2</sup> (3600 Pa)  
(-) 33.4 lbs/ft<sup>2</sup> (1600 Pa)  
Refer to installation manual

Max series fuse rating: 20 A

Max reverse current: 20 A

## MECHANICAL DATA

Dimensions: 65.9 x 39.25 x 1.5 (1675 x 997 x 38 mm)

Area: 17.98 ft<sup>2</sup> (1.67 m<sup>2</sup>)

Weight: 40.8 lbs (18.5 kg)

**Note!** Specifications subject to change without notice.