

# REC TWINPEAK 2 SERIES

PREMIUM SOLAR PANELS  
100% MADE IN SINGAPORE

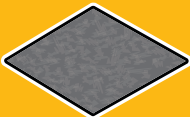
REC TwinPeak 2 Series solar panels feature an innovative design with high panel efficiency and power output, enabling customers to get the most out of the space used for the installation.

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.

SOLAR'S MOST TRUSTED



## INTEGRATED MANUFACTURING IN SINGAPORE



WAFERS



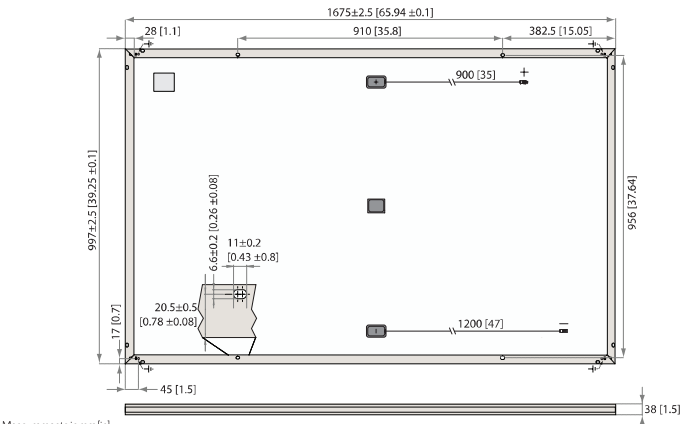
CELLS



MODULES



# REC TWINPEAK 2 SERIES



ELECTRICAL DATA @ STC		Product Code*: RECxxxTP2					
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					
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).  
\*Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC above, and can be followed by the suffix BLK for black framed modules.

CERTIFICATIONS	WARRANTY
    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	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 12AWG (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.

Ref: NE-05-07-07/Rev-H 01.119



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