

# REC TWINPEAK 25 MONO 72 SERIES

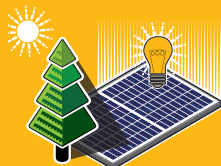
## PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

REC TwinPeak 25 Mono 72 Series solar panels feature an innovative design with the higher panel efficiency of monocrystalline cells, 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 25 Mono 72 Series panels are ideal for all types of commercial rooftop and utility installations worldwide.



**REDUCES BALANCE OF  
SYSTEM COSTS**



**IMPROVED PERFORMANCE  
IN SHADED CONDITIONS**

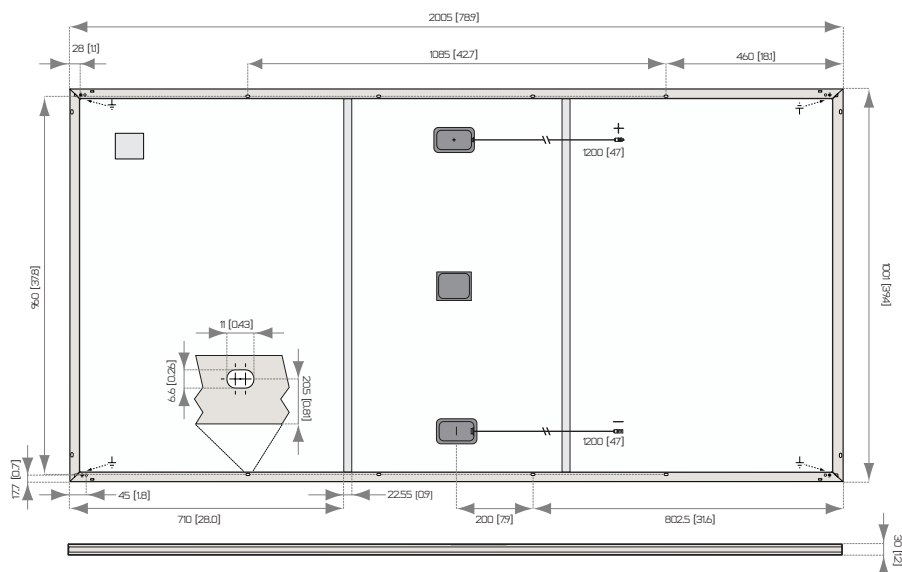


**INDUSTRY-LEADING  
LIGHTWEIGHT 72-CELL PANEL**



**100%  
PID FREE**

# REC TWINPEAK 25 MONO 72 SERIES



Measurements in mm [in]

18.9% EFFICIENCY

20 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

## GENERAL DATA

Cell type:	144 half-cut monocrystalline PERC cells 6 strings of 24 cells in series
Glass:	3.2 mm solar glass with anti-reflection surface treatment
Backsheet:	Highly resistant polymeric construction
Frame:	Anodized aluminum
Support bars:	Anodized aluminum
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable:	4 mm <sup>2</sup> solar cable, 1.2 m + 1.2 m in accordance with EN 50618
Connectors:	Tonglin TL-Cable01S-F (4 mm <sup>2</sup> ) in accordance with IEC 62852, IP68 only when connected
Origin:	Made in Singapore

## ELECTRICAL DATA @ STC

Product code\*: RECxxxTP2SM 72

	360	365	370	375	380
Nominal Power - P <sub>MPP</sub> (Wp)	360	365	370	375	380
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	39.4	39.6	39.8	40.1	40.3
Nominal Power Current - I <sub>MPP</sub> (A)	9.14	9.22	9.30	9.36	9.43
Open Circuit Voltage - V <sub>OC</sub> (V)	47.4	47.6	47.8	48.0	48.2
Short Circuit Current - I <sub>SC</sub> (A)	9.74	9.82	9.85	9.96	10.05
Panel Efficiency (%)	17.9	18.2	18.4	18.7	18.9

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of V<sub>OC</sub> & I<sub>SC</sub> ±3% within one watt class. At low irradiance of 200 W/m<sup>2</sup> at least 95% of the STC module efficiency will be achieved. \*Where xxx indicates the nominal power class (P<sub>MPP</sub>) at STC indicated above, and can be followed by the suffix XV for 1500 V rated modules.

## ELECTRICAL DATA @ NMOT

Product code\*: RECxxxTP2SM 72

	271	274	278	282	286
Nominal Power - P <sub>MPP</sub> (Wp)	271	274	278	282	286
Nominal Power Voltage - V <sub>MPP</sub> (V)	36.6	36.8	37.0	37.3	37.5
Nominal Power Current - I <sub>MPP</sub> (A)	7.39	7.45	7.51	7.56	7.62
Open Circuit Voltage - V <sub>OC</sub> (V)	44.1	44.3	44.4	44.6	44.8
Short Circuit Current - I <sub>SC</sub> (A)	7.87	7.93	7.96	8.05	8.12

Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s). \*Where xxx indicates the nominal power class (P<sub>MPP</sub>) at STC indicated above, and can be followed by the suffix XV for 1500 V rated modules.

## 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 degradation of 0.5% p.a. from 97.5% in year 1  
See warranty conditions for further details.

## MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V / 1500 V
Design load (+): snow	367 kg/m <sup>2</sup> (3600 Pa)*
Maximum test load (+):	550 kg/m <sup>2</sup> (5400 Pa)
Design load (-): wind	163 kg/m <sup>2</sup> (1600 Pa)*
Maximum test load (-):	244 kg/m <sup>2</sup> (2400 Pa)
Max series fuse rating:	25 A
Max reverse current:	25 A

\* Safety factor 1.5

## TEMPERATURE RATINGS\*

Nominal Module Operating Temperature:	44.9°C (±2°C)
Temperature coefficient of P <sub>MPP</sub> :	-0.37 %/°C
Temperature coefficient of V <sub>OC</sub> :	-0.28 %/°C
Temperature coefficient of I <sub>SC</sub> :	0.04 %/°C

\*The temperature coefficients stated are linear values

## MECHANICAL DATA

Dimensions:	2005 x 1001 x 30 mm
Area:	2.01 m <sup>2</sup>
Weight:	22 kg

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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.



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