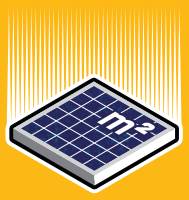
SOLAR'S MOST TRUSTED

REC

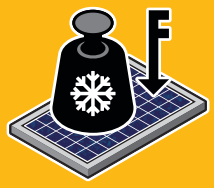
HIGH PERFORMANCE SOLAR PANELS

REC PEAK ENERGY 72 SERIES

REC Peak Energy 72 Series panels are the perfect choice for building solar systems that combine long lasting product quality with reliable power output.
REC combines leading standards of design and manufacturing to produce high-performance solar panels with uncompromising quality.



MORE POWER PER M²

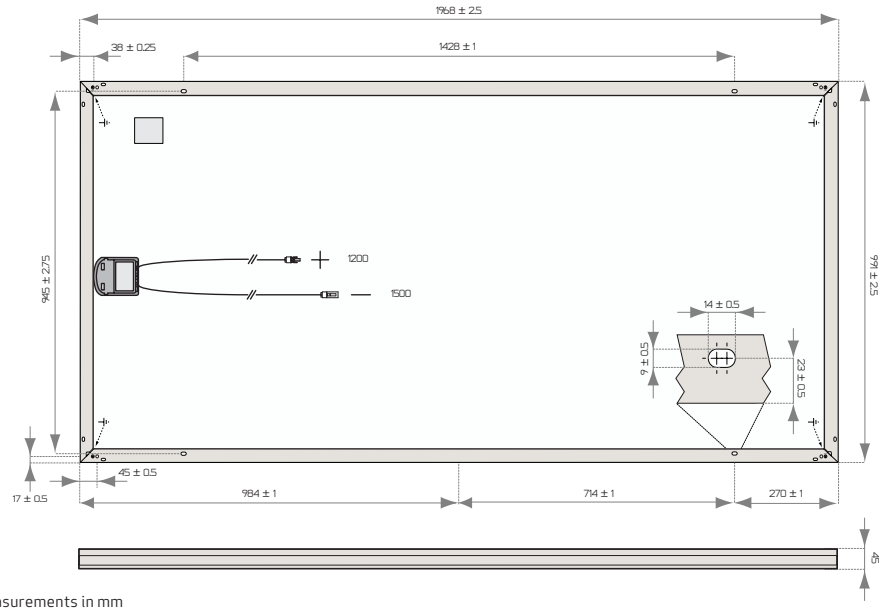


ROBUST AND DURABLE DESIGN

100% PID FREE

REDUCED BALANCE OF SYSTEM COSTS

REC PEAK ENERGY 72 SERIES



Measurements in mm

16.7% EFFICIENCY

10 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

GENERAL DATA

Cell type:	72 multicrystalline cells 3 strings of 24 cells in series
Glass:	4 mm solar glass with anti-reflection surface treatment
Backsheet:	Highly resistant polymeric construction
Frame:	Anodized aluminum
Junction box:	3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable:	4 mm² solar cable, 1.2 m + 1.2 m in accordance with EN 50618
Connectors:	Tonglin TL-Cable01 (4 mm²) in accordance with IEC 62852, IP67 only when connected
Origin:	Made in Singapore / Vietnam

ELECTRICAL DATA @ STC

Product code*: RECxxxPE72						
Nominal Power - P_{MPP} (Wp)	300	305	310	315	320	325
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V_{MPP} (V)	36.5	36.9	37.2	37.5	37.9	38.5
Nominal Power Current - I_{MPP} (A)	8.22	8.27	8.34	8.40	8.45	8.46
Open Circuit Voltage - V_{OC} (V)	44.9	45.2	45.5	45.8	46.1	46.4
Short Circuit Current - I_{SC} (A)	8.76	8.82	8.88	8.93	8.99	9.05
Panel Efficiency (%)	15.4	15.6	15.9	16.2	16.4	16.7

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 V_{OC} & I_{SC} ±3% within one watt class. At low irradiance of 200 W/m² at least 95.5% of the STC module efficiency will be achieved.
*Where xxx indicates the nominal power class (P_{MPP}) at STC indicated above.

ELECTRICAL DATA @ NMOT

Product code*: RECxxxPE72						
Nominal Power - P_{MPP} (Wp)	217	221	225	229	232	236
Nominal Power Voltage - V_{MPP} (V)	29.9	30.1	30.4	30.6	30.8	31.0
Nominal Power Current - I_{MPP} (A)	7.27	7.34	7.41	7.48	7.54	7.61
Open Circuit Voltage - V_{OC} (V)	36.9	37.2	37.4	37.6	37.9	38.1
Short Circuit Current - I_{SC} (A)	7.67	7.72	7.77	7.83	7.88	7.94

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_{MPP}) at STC indicated above.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V / 1500 V
Design load (+): snow Maximum test load (+):	367 kg/m² (3600 Pa)* 550 kg/m² (5400 Pa)
Design load (-): wind Maximum test load (-):	163 kg/m² (1600 Pa)* 244 kg/m² (2400 Pa)
Max series fuse rating:	25 A
Max reverse current:	25 A

*Safety factor 1.5

TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	46.6°C (±2°C)
Temperature coefficient of P_{MPP}	-0.40 %/°C
Temperature coefficient of V_{OC}	-0.27 %/°C
Temperature coefficient of I_{SC}	0.013 %/°C

*The temperature coefficients stated are linear values

CERTIFICATIONS

IEC 61215, IEC 61730 & UL 1703; MCS 005, IEC 62804 (PID)
IEC 62716 (Ammonia Resistance), IEC 60068-2-68 (Blowing Sand)
IEC 61701 (Salt Mist level 6), UNI 8457/9174 (Class A), ISO 11925-2 (Class E)
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

WARRANTY

10 year product warranty
25 year linear power output warranty
(max. degression in performance of 0.7% p.a.)

See warranty conditions for further details.

MECHANICAL DATA

Dimensions:	1968 x 991 x 45 mm
Area:	1.95 m²
Weight:	27 kg

take-e-way WEEE-compliant recycling scheme

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 1.4 GW of solar panels annually.

www.recgroup.com

Ref: NE-05-05-06 Rev- M.2 01.18 Specifications subject to change without notice.