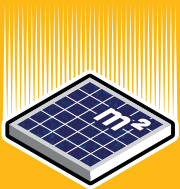


HIGH PERFORMANCE SOLAR PANELS

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.

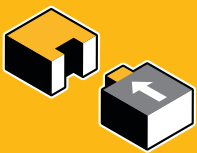
REC combines leading standards of design and manufacturing to produce high-performance solar panels with uncompromising quality.



**MORE POWER
PER M²**



**ROBUST AND
DURABLE DESIGN**

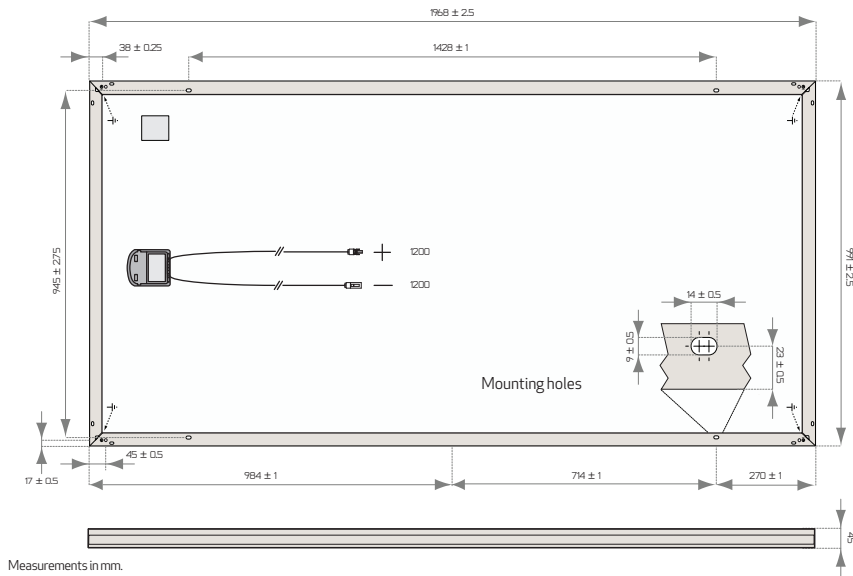


**ENERGY PAYBACK
TIME OF ONE YEAR**



**REDUCED BALANCE OF
SYSTEM COSTS**

REC PEAK ENERGY 72 SERIES



Measurements in mm.

ELECTRICAL DATA @ STC	REC295PE72	REC300PE72	REC305PE72	REC310PE72	REC315PE72
Nominal Power - P_{MPP} (Wp)	295	300	305	310	315
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V_{MPP} (V)	36.1	36.4	36.6	36.7	36.8
Nominal Power Current - I_{MPP} (A)	8.23	8.33	8.42	8.53	8.62
Open Circuit Voltage - V_{OC} (V)	44.5	44.9	45.1	45.3	45.5
Short Circuit Current - I_{SC} (A)	8.80	8.86	8.95	9.02	9.09
Panel Efficiency (%)	15.1	15.4	15.6	15.9	16.1

Analysed data demonstrates that 99.7% of modules produced have current and voltage tolerance of $\pm 3\%$ from nominal values. Values at standard test conditions STC (airmass AM1.5, irradiance 1000 W/m², cell temperature 25°C). At low irradiance of 200 W/m² (AM1.5 and cell temperature 25°C) at least 96% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC295PE72	REC300PE72	REC305PE72	REC310PE72	REC315PE72
Nominal Power - P_{MPP} (Wp)	225	229	232	235	238
Nominal Power Voltage - V_{MPP} (V)	33.9	34.2	34.4	34.6	34.7
Nominal Power Current - I_{MPP} (A)	6.63	6.68	6.75	6.80	6.86
Open Circuit Voltage - V_{OC} (V)	41.9	42.3	42.5	42.7	42.9
Short Circuit Current - I_{SC} (A)	7.08	7.12	7.20	7.25	7.31

Nominal operating cell temperature NOCT (800 W/m², AM1.5, windspeed 1 m/s, ambient temperature 20°C).

CERTIFICATIONS



Certified according to UL 1703 and IEC 61215 & IEC 61730

takeaway
for an easy way
take-e-way WEEE Compliant
Recycling scheme

WARRANTY

10 year product warranty
25 year linear power output warranty
(max. degradation in performance of 0.7% p.a.)
See warranty conditions for further details.

- 16.1% EFFICIENCY
- 10 YEAR PRODUCT WARRANTY
- 25 YEAR LINEAR POWER OUTPUT WARRANTY

TEMPERATURE RATINGS

Nominal operating cell temperature (NOCT)	46.6°C ($\pm 2^\circ\text{C}$)
Temperature coefficient of P_{MPP}	-0.38 %/°C
Temperature coefficient of V_{OC}	-0.27 %/°C
Temperature coefficient of I_{SC}	0.013 %/°C

GENERAL DATA

Cell type:	72 REC PE multicrystalline 3 strings of 24 cells
Glass:	4mm solar glass with anti-reflection surface treatment
Back sheet:	Double layer highly resistant polyester
Frame:	Anodized aluminum (silver)
Junction box:	IP67 rated 3 bypass diodes 4 mm ² solar cable, 1.2 m + 1.2 m
Connectors:	MC4 connectable (4 mm ²)
Origin	Made in Singapore

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Maximum snow load:	367 kg/m ² (3600 Pa)
Maximum wind load:	163 kg/m ² (1600 Pa)
Max series fuse rating:	20 A
Max reverse current:	20 A

MECHANICAL DATA

Dimensions:	1968 x 991 x 45 mm
Area:	1.95 m ²
Weight:	27 kg

Note! Specifications subject to change without notice.

REC is a leading global provider of solar energy solutions. With more than 15 years of experience, we offer sustainable, high performing products, services and investments for the solar industry. Together with our partners, we create value by providing solutions that better meet the world's growing energy needs. REC is headquartered in Norway and listed on the Oslo Stock Exchange (ticker: RECSOL). Our 1,600 employees worldwide generated revenues of USD 647 million in 2013.



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