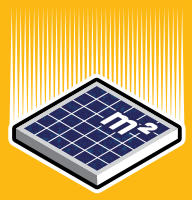
ENERGIZING LIFE TOGETHER

REC

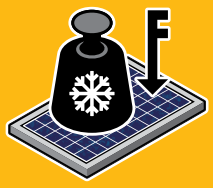
HIGH PERFORMANCE SOLAR PANELS

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.

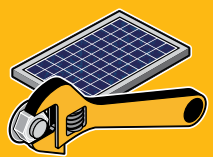


MORE POWER PER M²



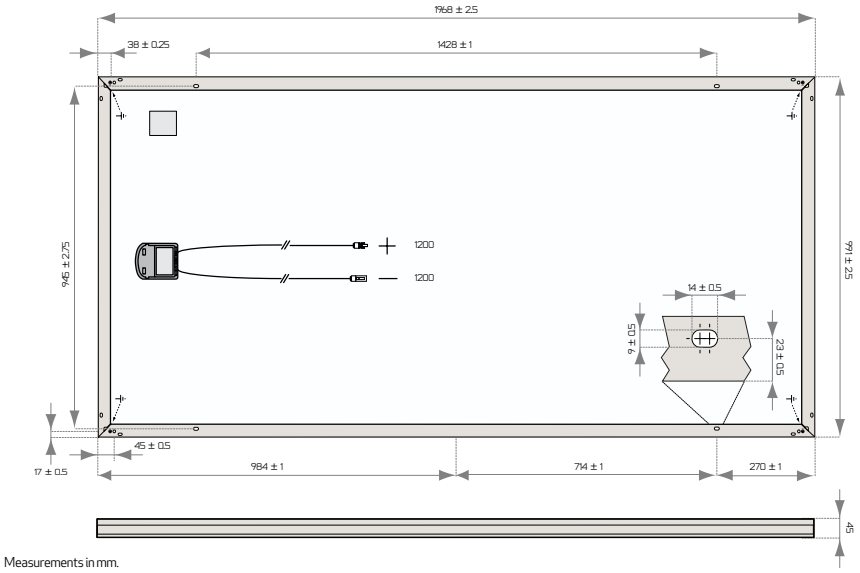
ROBUST AND DURABLE DESIGN

100% PID FREE



REDUCED BALANCE OF SYSTEM COSTS

REC PEAK ENERGY 72 SERIES



Measurements in mm.

16.2% EFFICIENCY

10 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

TEMPERATURE RATINGS

Nominal operating cell temperature (NOCT)	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

ELECTRICAL DATA @ STC

	REC300PE72	REC305PE72	REC310PE72	REC315PE72	REC320PE72
Nominal Power - P_{MPP} (Wp)	300	305	310	315	320
Watt Class Sorting - (W)	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
Nominal Power Current - I_{MPP} (A)	8.22	8.27	8.34	8.40	8.45
Open Circuit Voltage - V_{OC} (V)	44.9	45.2	45.5	45.8	46.1
Short Circuit Current - I_{SC} (A)	8.76	8.82	8.88	8.93	8.99
Panel Efficiency (%)	15.4	15.6	15.9	16.2	16.4

Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m², 25°C cell temperature).
At low irradiance of 200 W/m² (AM 1.5 and cell temperature 25°C) at least 95.5% of the STC module efficiency will be achieved.

GENERAL DATA

Cell type:	72 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 mm² solar cable, 1.2 m + 1.2 m
Connectors:	MC4 connectable (4 mm²)

ELECTRICAL DATA @ NOCT

	REC300PE72	REC305PE72	REC310PE72	REC315PE72	REC320PE72
Nominal Power - P_{MPP} (Wp)	217	221	225	229	232
Nominal Power Voltage - V_{MPP} (V)	29.9	30.1	30.4	30.6	30.8
Nominal Power Current - I_{MPP} (A)	7.27	7.34	7.41	7.48	7.54
Open Circuit Voltage - V_{OC} (V)	36.9	37.2	37.4	37.6	37.9
Short Circuit Current - I_{SC} (A)	7.67	7.72	7.77	7.83	7.88

Nominal operating cell temperature NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C).

MAXIMUM RATINGS

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

CERTIFICATIONS

Certified according to IEC 61215 & IEC 61730;
IEC 61701 Salt Mist Corrosion Resistance & IEC 62716 Ammonia Corrosion Resistance

take-e-way WEEE Compliant Recycling scheme

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

Note! Specifications subject to change without notice.

Ref: NE-05-06-Rev1 - 03.2016

Celebrating its 20th anniversary in 2016, REC is a leading European brand of solar panels. Through integrated manufacturing from polysilicon to wafers, cells, panels and turnkey solar solutions, REC strives to help meet the world's growing energy needs. Founded in 1996, REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC concluded 2015 with 2,000 employees worldwide, 1.3 GW solar panel production capacity, and annual revenues of USD 755 million.

REC

www.recgroup.com