ENERGIZING LIFE TOGETHER

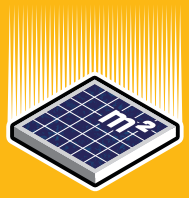
REC

HIGH PERFORMANCE SOLAR PANELS

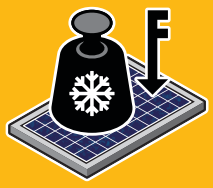
REC PEAK ENERGY 72 SERIES

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.

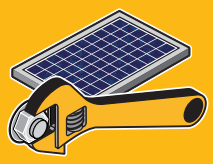


MORE POWER PER M²



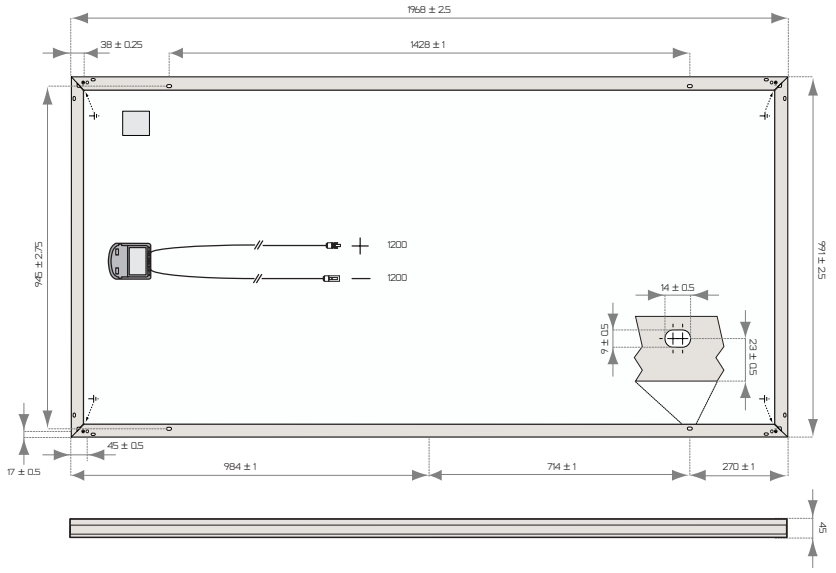
ROBUST AND DURABLE DESIGN

100% PID FREE



REDUCED BALANCE OF SYSTEM COSTS

REC PEAK ENERGY 72 SERIES



Measurements in mm.

16.7% 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

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 (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.
*Where xxx indicates the nominal power class (P_{MPP}) at STC indicated above, and can be followed by the suffix XV for 1500V rated modules.

GENERAL DATA

Cell type:	72 multicrystalline 3 strings of 24 cells
Glass:	4 mm solar glass with anti-reflection surface treatment
Back sheet:	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*:	Tonglin TL-Cable01 / Tonglin-Cable01S-F (4 mm²) *Dependent on product type

ELECTRICAL DATA @ NOCT

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 operating cell temperature NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C).
*Where xxx indicates the nominal power class (P_{MPP}) at STC indicated above, and can be followed by the suffix XV for 1500V rated modules.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage*:	1000 V / 1500 V *Dependent on product type
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

IEC 61215, IEC 61730 & UL 1703. IEC 62804 (PID Free), IEC 61701 (Salt Mist Level 6), IEC 62716 (Ammonia Resistance), ISO 11925-2 (Ignitability Class E), UNI 8457/9174 (Class A), ISO 9001:2015, ISO 14001, OHSAS 18001

take-e-way
for an easy way
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-RevL-02.2017.

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.

REC

www.recgroup.com