

HIGH PERFORMANCE SOLAR PANELS

REC PEAK ENERGY SERIES

REC Peak Energy 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



ENERGY PAYBACK TIME OF ONE YEAR

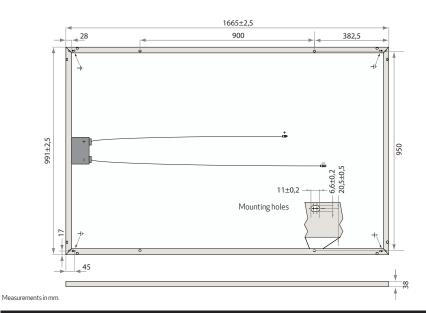


ROBUST AND DURABLE DESIGN



OPTIMIZED FOR ALL SUNLIGHT CONDITIONS





ELECTRICAL DATA @ STC	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE	REC265PE
Nominal Power - P _{MPP} (Wp)	240	245	250	255	260	265
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V _{MPP} (V)	29.7	30.1	30.2	30.5	30.7	30.9
Nominal Power Current - I _{MPP} (A)	8.17	8.23	8.30	8.42	8.50	8.58
Open Circuit Voltage - V _{OC} (V)	36.8	37.1	37.4	37.6	37.8	38.1
Short Circuit Current- I_{SC} (A)	8.75	8.80	8.86	8.95	9.01	9.08
Panel Efficiency (%)	14.5	14.8	15.1	15.5	15.8	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 AM 1.5, irradiance 1000 W/m², cell temperature 25°C). At low irradiance of 200 W/m² (AM 1.5 and cell temperature 25°C) at least 96% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE	REC265PE
Nominal Power - P _{MPP} (Wp)	183	187	189	193	197	202
Nominal Power Voltage - V _{MPP} (V)	27.7	28.1	28.3	28.5	29.0	29.4
Nominal Power Current - I _{MPP} (A)	6.58	6.64	6.68	6.77	6.81	6.90
Open Circuit Voltage - V _{oc} (V)	34.4	34.7	35.0	35.3	35.7	36.0
Short Circuit Current-I _{SC} (A)	7.03	7.08	7.12	7.21	7.24	7.30

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

WARRANTY

 $D^{V}E$ IEC 61215, IEC 61730 & UL 1703; IEC 62716 (Ammonia Resistance) IEC 61701 (Salt Mist - severity levels 1 & 6), IEC 60068-2-68

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.

16.1% **EFFICIENCY**

YEAR PRODUCT WARRANTY

YEAR LINEAR POWER OUTPUT WARRANTY

TEMPERATURE RATINGS

Nominal operating cell temperature (NOCT) 45.7°C (±2°C) Temperature coefficient of P_{MPP} -0.40 %/°C Temperature coefficient of V_{oc} -0.27 %/°C Temperature coefficient of I_{sc} 0.024 %/°C

GENERAL DATA

Cell type: 60 REC PE multi-crystalline 3 strings of 20 cells with bypass diodes Glass: 3.2 mm solar glass with anti-reflection surface treatment Back sheet: Double layer highly resistant polyester Anodized aluminum (silver) Frame: Junction box: IP67 rated $4 \,\mathrm{mm^2}$ solar cable, $0.9 \,\mathrm{m} + 1.2 \,\mathrm{m}$ Multi-Contact MC4 (4 mm²) Connectors: Origin Made in Singapore

-40+85°C
1000 V
550 kg/m² (5400 Pa)
244 kg/m² (2400 Pa)
25 A
25 A

MECHANICAL DATA

Dimensions:	1665 x 991 x 38 mm
Area:	1.65 m ²
Weight:	18 kg

Note! Specifications subject to change without notice.

CERTIFICATIONS



Recycling scheme











REC is a leading global provider of solar energy solutions. With more than 15 years of experience, we offer sustainable, high performing $products, services \ and \ investments for the solar industry. \ Together with our partners, we create value \ by providing solutions that it is a solution of the solution$ 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.

