

HIGH PERFORMANCE SOLAR MODULES

REC PEAK ENERGY SERIES

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



MORE POWER PER M²



ENERGY PAYBACK TIME OF ONE YEAR



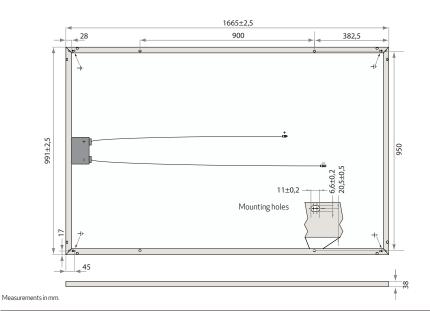
ROBUST AND DURABLE DESIGN



OPTIMIZED FOR ALL SUNLIGHT CONDITIONS



REC PEAK ENERGY SERIES



ELECTRICAL DATA @ STC	REC235PE	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE
Nominal Power - P _{MPP} (Wp)	235	240	245	250	255	260
Watt Class Sorting-(W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V _{MPP} (V)	29.5	29.7	30.1	30.2	30.5	30.7
Nominal Power Current - I _{MPP} (A)	8.06	8.17	8.23	8.30	8.42	8.50
Open Circuit Voltage - V _{oc} (V)	36.6	36.8	37.1	37.4	37.6	37.8
$ShortCircuitCurrent-I_{SC}(A)$	8.66	8.75	8.80	8.86	8.95	9.01
Module Efficiency (%)	14.2	14.5	14.8	15.1	15.5	15.8

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 97% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC235PE	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE
Nominal Power - P _{MPP} (Wp)	179	183	187	189	193	197
Nominal Power Voltage - V _{MPP} (V)	27.5	27.7	28.1	28.3	28.5	29.0
Nominal Power Current - I _{MPP} (A)	6.51	6.58	6.64	6.68	6.77	6.81
Open Circuit Voltage - V _{oc} (V)	34.2	34.4	34.7	35.0	35.3	35.7
Short Circuit Current-I _{SC} (A)	6.96	7.03	7.08	7.12	7.21	7.24

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

WARRANTY

IEC 61215 & IEC 61730, IEC 62716 (ammonia resistance) & IEC 61701 (salt mist - severity level 6).

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.

15.8% 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 aluminium (silver) Frame: Junction box IP67 rated $4 \,\mathrm{mm^2}$ solar cable, $0.9 \,\mathrm{m} + 1.2 \,\mathrm{m}$ Connectors: Multi-Contact MC4 (4 mm²) Origin Made in Singapore

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

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













REC is a leading global provider of solar electricity solutions. With nearly two decades of expertise, we offer sustainable, high-performing and the solution of the solutioproducts, services and investment opportunities for the solar and electronics industries. Together with our partners, we create value by providing solutions that better meet the world's growing electricity needs. Our 2,300 employees worldwide generated revenues of more than NOK 7 billion in 2012, approximately EUR 1 billion.



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