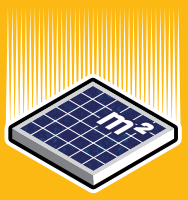
ENERGIZING LIFE TOGETHER

REC

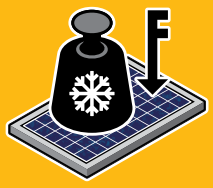
HIGH PERFORMANCE SOLAR PANELS

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

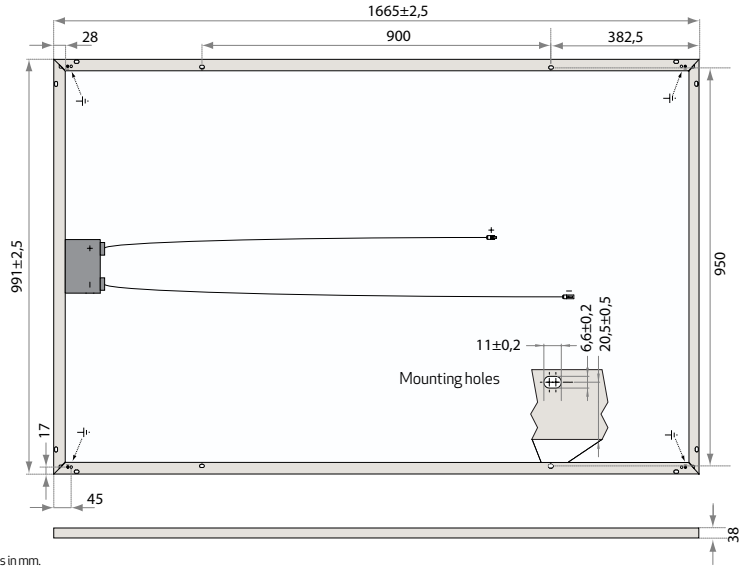


ROBUST AND DURABLE DESIGN

ENERGY PAYBACK TIME OF ONE YEAR

OPTIMIZED FOR ALL SUNLIGHT CONDITIONS

REC PEAK ENERGY SERIES



Measurements in mm.

16.1% EFFICIENCY

10 YEAR PRODUCT WARRANTY

25 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

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	15.2	15.5	15.8	16.1

Analysed data demonstrates that 99.7% of modules produced have current and voltage tolerance of ±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 95.5% of the STC module efficiency will be achieved.

GENERAL DATA

Cell type:	60 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
Frame:	Anodized aluminum (silver)
Junction box:	IP67 rated 4 mm² solar cable, 0.9 m + 1.2 m
Connectors:	Multi-Contact MC4 (4 mm²)

ELECTRICAL DATA @ NOCT

	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE	REC265PE
Nominal Power - P_{MPP} (Wp)	177	181	183	187	190	193
Nominal Power Voltage - V_{MPP} (V)	27.3	27.7	27.8	28.0	28.2	28.4
Nominal Power Current - I_{MPP} (A)	6.48	6.52	6.58	6.68	6.74	6.80
Open Circuit Voltage - V_{OC} (V)	34.1	34.4	34.7	34.8	35.0	35.3
Short Circuit Current - I_{SC} (A)	7.02	7.06	7.11	7.18	7.23	7.29

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

IEC 61215, IEC 61730 & UL 1703; MCS,
IEC 62716 (Ammonia Resistance) IEC 61701 (Salt Mist - severity levels 1 & 6), IEC 60068-2-68 (Blowing Sand)

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:	1665 x 991 x 38 mm
Area:	1.65 m²
Weight:	18 kg

Note! Specifications subject to change without notice.

This datasheet is EN 50380 compliant

Ref: NE-05-01-U 11.15

REC is the largest European brand of solar panels, with more than 15 million high-quality panels produced at the end of 2014. With integrated manufacturing from polysilicon to wafers, cells, panels and turnkey solar solutions, REC strives to help meet the world's growing energy needs. In partnership with a sales channel of distributors, installers, and EPCs, REC panels are installed globally. Founded in 1996, REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC's 1,800 employees worldwide generated revenues of USD 680 million in 2014.

REC

www.recgroup.com