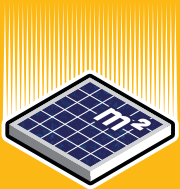


## HIGH PERFORMANCE SOLAR PANELS

# 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 M<sup>2</sup>**



**ROBUST AND  
DURABLE DESIGN**



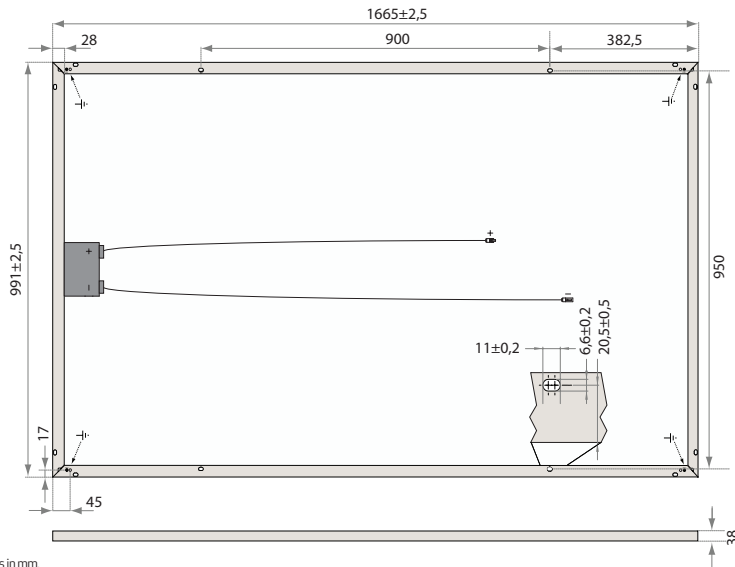
**100%  
PID FREE**



**OPTIMIZED FOR ALL  
SUNLIGHT CONDITIONS**



# REC PEAK ENERGY SERIES



Measurements in mm.

## ELECTRICAL DATA @ STC

Product Code\*: RECxxxPE

Nominal Power - $P_{MPP}$ (Wp)	245	250	255	260	265	270
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	30.1	30.2	30.5	30.7	30.9	31.2
Nominal Power Current - $I_{MPP}$ (A)	8.23	8.30	8.42	8.50	8.58	8.66
Open Circuit Voltage - $V_{OC}$ (V)	37.1	37.4	37.6	37.8	38.1	38.4
Short Circuit Current - $I_{SC}$ (A)	8.80	8.86	8.95	9.01	9.08	9.18
Panel Efficiency (%)	14.8	15.2	15.5	15.8	16.1	16.4

Values at standard test conditions STC (airmass AM1.5, irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C).

At low irradiance of 200 W/m<sup>2</sup> (AM1.5 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 BLK for black framed modules.

## ELECTRICAL DATA @ NOCT

Product Code\*: RECxxxPE

Nominal Power - $P_{MPP}$ (Wp)	181	183	187	190	193	196
Nominal Power Voltage - $V_{MPP}$ (V)	27.7	27.8	28.0	28.2	28.4	28.6
Nominal Power Current - $I_{MPP}$ (A)	6.52	6.58	6.68	6.74	6.80	6.86
Open Circuit Voltage - $V_{OC}$ (V)	34.4	34.7	34.8	35.0	35.3	35.7
Short Circuit Current - $I_{SC}$ (A)	7.06	7.11	7.18	7.23	7.29	7.35

Nominal operating cell temperature NOCT (800 W/m<sup>2</sup>, AM1.5, 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 BLK for black framed modules.

## CERTIFICATIONS



IEC 61215, IEC 61730 & UL 1703; MCS, IEC 62804 (PID)  
IEC 62716 (Ammonia Resistance), IEC 60068-2-68 (Blowing Sand),  
IEC 61701 (Salt Mist level 6), UNI 8457/9174 (Class A), ISO 11925-2 (Class E),  
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

**takeaway**  
for an easy way  
take-e-way WEEE Compliant  
Recycling scheme

## WARRANTY

10 year product warranty  
25 year linear power output warranty  
(max. degradation in performance of 0.7% p.a.)

See warranty conditions for further details.

16.4% 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

## GENERAL DATA

Cell type:	60 multi-crystalline
	3 strings of 20 cells with 3 bypass diodes
Glass:	3.2 mm solar glass with anti-reflection surface treatment
Back sheet:	Highly resistant polyester
Frame:	Anodized aluminum (Available in silver or black color)
Junction box:	IP67 rated 4 mm <sup>2</sup> solar cable, 0.9 m + 1.2 m
Connectors*:	Stäubli MC4 PV-KBT4/PV-KST4 (4 mm <sup>2</sup> ) Tonglin TL-Cable01SFR (4 mm <sup>2</sup> ) *dependent on product type

## MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Maximum snow load:	550 kg/m <sup>2</sup> (5400 Pa)
Maximum wind load:	244 kg/m <sup>2</sup> (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 <sup>2</sup>
Weight:	18 kg

**Note!** Specifications subject to change without notice.

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.



www.recgroup.com