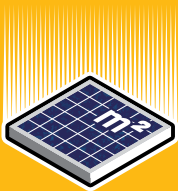


HIGH PERFORMANCE SOLAR MODULES

REC PEAK ENERGY (BLK) 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**



**ROBUST AND
DURABLE DESIGN**

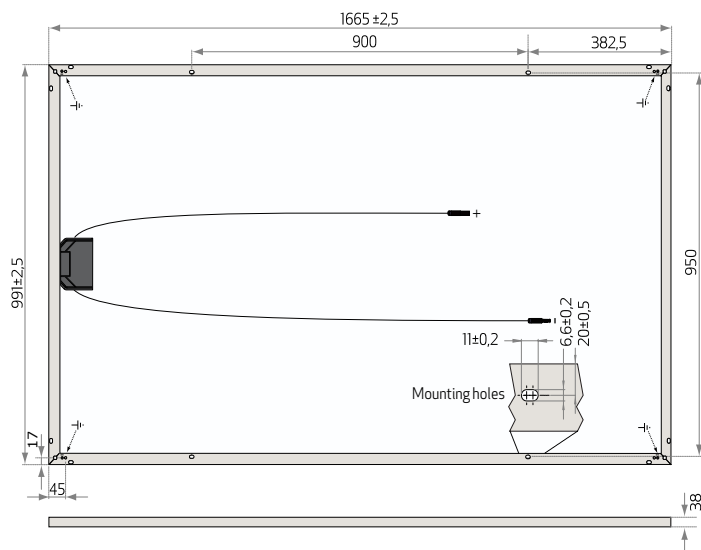


**ENERGY PAYBACK
TIME OF ONE YEAR**



**OPTIMIZED FOR ALL
SUNLIGHT CONDITIONS**

REC PEAK ENERGY (BLK)



ELECTRICAL DATA @ STC

	REC225PE BLK	REC230PE BLK	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK
Maximum Power - P_{MAX} (Wp)	225	230	235	240	245	250
Watt Class Tolerance - P_{TOL} (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage - V_{MPP} (V)	28.9	29.2	29.6	29.9	30.2	30.5
Maximum Power Current - I_{MPP} (A)	7.8	7.9	8.0	8.0	8.1	8.2
Open Circuit Voltage - V_{OC} (V)	36.2	36.5	36.7	37.0	37.2	37.5
Short Circuit Current - I_{SC} (A)	8.3	8.4	8.5	8.6	8.7	8.8
Module Efficiency (%)	13.6	13.9	14.2	14.5	14.8	15.1

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

	REC225PE BLK	REC230PE BLK	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK
Maximum Power - P_{MAX} (Wp)	167	170	173	176	179	182
Maximum Power Voltage - V_{MPP} (V)	26.6	26.8	27.1	27.3	27.6	27.9
Maximum Power Current - I_{MPP} (A)	6.3	6.3	6.4	6.4	6.5	6.6
Open Circuit Voltage - V_{OC} (V)	33.4	33.6	33.8	34.1	34.3	34.5
Short Circuit Current - I_{SC} (A)	6.8	6.8	6.9	7.0	7.0	7.1

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

CERTIFICATION



Certified according to IEC 61215 and IEC 61730.



Member of PV Cycle

WARRANTY

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

15.1% EFFICIENCY

10 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	47.9°C (±2°C)
Temperature Coefficient of P_{MPP}	-0.43 %/°C
Temperature Coefficient of V_{OC}	-0.33 %/°C
Temperature Coefficient of I_{SC}	0.074 %/°C

GENERAL DATA

Cell Type	60 REC PE multi-crystalline cells 3 strings of 20 cells - 3 by-pass diodes
Glass	Solar glass with antireflection surface treatment by Sunarc Technology
Back Sheet	Double layer highly resistant polyester
Frame	Black anodized aluminium
Cable	Radox 4mm ² solar cable, 0.90m +1.20m
Connectors	Radox 4mm ² twist locking connector

MAXIMUM RATINGS

Operational Temperature	-40 ... +80°C
Maximum System Voltage	1000V
Maximum Load	551 kg/m ² (5400 Pa)
Maximum Wind Speed	197 km/h (safety factor 3)
Maximum Series Fuse Rating	15A
Maximum Reverse Current	15A

MECHANICAL DATA

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

Note! Specifications subject to change without notice.

REC is a leading vertically integrated player in the solar energy industry. Ranked among the world's largest producers of polysilicon and wafers for solar applications and a rapidly growing manufacturer of solar cells and modules, REC also engages in project development activities in selected PV segments. Founded in Norway in 1996, REC is an international solar company employing about 4,000 people worldwide with revenues close to EUR 1.7 billion. Visit www.recgroup.com to learn more about REC.



www.recgroup.com