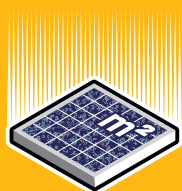


## HIGH PERFORMANCE SOLAR MODULES

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



**ROBUST AND  
DURABLE DESIGN**

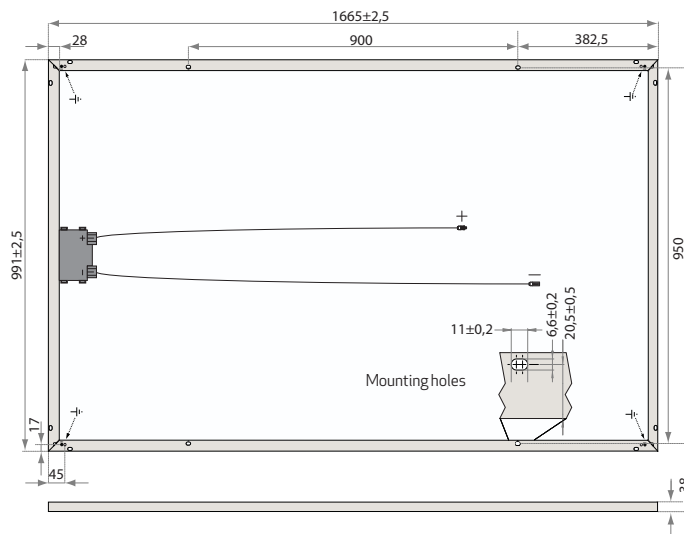


**ENERGY PAYBACK  
TIME OF ONE YEAR**



**OPTIMIZED FOR ALL  
SUNLIGHT CONDITIONS**

# REC PEAK ENERGY BLK SERIES



## ELECTRICAL DATA @ STC

	REC225PE BLK	REC230PE BLK	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK
Nominal Power - $P_{MPP}$ (Wp)	225	230	235	240	245	250
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	28.9	29.2	29.6	29.9	30.2	30.5
Nominal Power Current - $I_{MPP}$ (A)	7.79	7.88	7.96	8.04	8.12	8.20
Open Circuit Voltage - $V_{OC}$ (V)	36.2	36.5	36.7	37.0	37.2	37.5
Short Circuit Current - $I_{SC}$ (A)	8.34	8.43	8.51	8.60	8.68	8.76
Module Efficiency (%)	13.6	13.9	14.2	14.5	14.8	15.1

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 97% of the STC module efficiency will be achieved.

## ELECTRICAL DATA @ NOCT

	REC225PE BLK	REC230PE BLK	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK
Nominal Power - $P_{MPP}$ (Wp)	167	170	173	176	179	182
Nominal Power Voltage - $V_{MPP}$ (V)	26.6	26.8	27.1	27.3	27.6	27.9
Nominal Power Current - $I_{MPP}$ (A)	6.27	6.33	6.39	6.45	6.51	6.56
Open Circuit Voltage - $V_{OC}$ (V)	33.4	33.6	33.8	34.1	34.3	34.5
Short Circuit Current - $I_{SC}$ (A)	6.79	6.85	6.90	6.96	7.01	7.06

Nominal cell operating temperature NOCT (800 W/m<sup>2</sup>, AM1.5, windspeed 1 m/s, ambient temperature 20°C).

## CERTIFICATION



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 - 4 by-pass diodes
Glass	3.2 mm solar glass with antireflection surface treatment by Sunarc Technology
Back Sheet	Double layer highly resistant polyester
Frame	Black anodized aluminium
Junction box	IP67
Cable	4mm <sup>2</sup> solar cable, 0.90m +1.20m
Connectors	Hosiden 4mm <sup>2</sup> (HSC 2009/2010) MC4 connectable

## MAXIMUM RATINGS

Operational Temperature	-40 ... +80°C
Maximum System Voltage	1000V
Maximum Snow Load	550 kg/m <sup>2</sup> (5400 Pa)
Maximum Wind Load	244 kg/m <sup>2</sup> (2400 Pa)
Maximum Series Fuse Rating	25A
Maximum Reverse Current	25A

## 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.

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](http://www.recgroup.com) to learn more about REC.



[www.recgroup.com](http://www.recgroup.com)