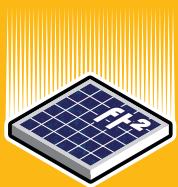


## HIGH PERFORMANCE SOLAR PANELS

# REC PEAK ENERGY BLK SERIES

REC Peak Energy BLK Series panels 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 panels with uncompromising quality.



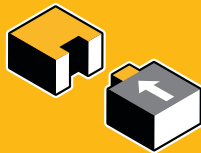
**MORE POWER  
PER FT<sup>2</sup>**



**ROBUST AND  
DURABLE DESIGN**

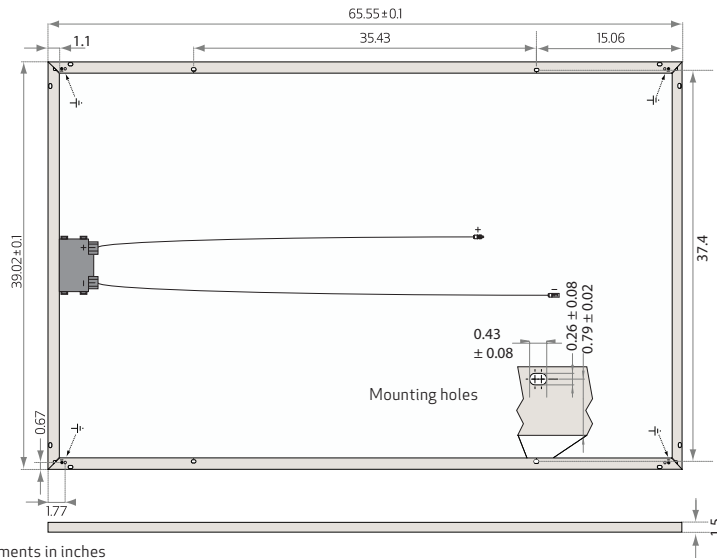


**ENERGY PAYBACK  
TIME OF ONE YEAR**



**EASY TO  
INSTALL**

# REC PEAK ENERGY BLK SERIES



All measurements in inches

ELECTRICAL DATA @ STC	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE	REC265PE
	BLK	BLK	BLK	BLK	BLK	BLK
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	15.1	15.5	15.8	16.1

Analysed data demonstrates that 99.7% of panels 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/m<sup>2</sup>, cell temperature 25°C). At low irradiance of 200 W/m<sup>2</sup> (AM 1.5 and cell temperature 25°C) at least 97% of the STC panel efficiency will be achieved.

ELECTRICAL DATA @ NOCT	REC240PE	REC245PE	REC250PE	REC255PE	REC260PE	REC265PE
	BLK	BLK	BLK	BLK	BLK	BLK
Nominal Power - $P_{MPP}$ (Wp)	183	187	189	193	197	202
Nominal Power Voltage - $V_{MPP}$ (V)	27.7	28.1	28.3	28.5	29.0	29.4
Nominal Power Current - $I_{MPP}$ (A)	6.58	6.64	6.68	6.77	6.81	6.90
Open Circuit Voltage - $V_{OC}$ (V)	34.4	34.7	35.0	35.3	35.7	36.0
Short Circuit Current - $I_{SC}$ (A)	7.03	7.08	7.12	7.21	7.24	7.30

Nominal operating cell temperature NOCT (800 W/m<sup>2</sup>, AM 1.5, windspeed 1 m/s, ambient temperature 20°C).

## CERTIFICATION



UL 1703, IEC 62716 (ammonia resistance) & IEC 61701 (salt mist corrosion - severity level 6).

## WARRANTY

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

16.1% EFFICIENCY  
10 YEAR PRODUCT WARRANTY  
25 YEAR LINEAR POWER OUTPUT WARRANTY  
**DUTY\*FREE** US IMPORT DUTY FREE

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45.7°C ( $\pm 2^\circ\text{C}$ )
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:	1/8" mm solar glass with anti-reflection surface treatment
Back Sheet:	Double layer highly resistant polyester
Frame:	Anodized aluminum (black)
Junction Box:	IP67 rated 4 mm <sup>2</sup> solar cable, 35" + 47"
Connectors:	Multi-Contact MC4 (4 mm <sup>2</sup> )
Origin:	Made in Singapore

## MAXIMUM RATINGS

Operational Temperature:	-40 ... +85°C
Maximum System Voltage:	600 V
Design Load:	75.2 lbs/ft <sup>2</sup> (3600 Pa)* 33.4 lbs/ft <sup>2</sup> (1600 Pa)* *Refer to installation manual
Max Series Fuse Rating:	15 A
Max Reverse Current:	15 A

## MECHANICAL DATA

Dimensions:	65 1/2 x 39 x 1 1/2 in
Area:	17.76 ft <sup>2</sup>
Weight:	39.6 lbs

**Note!** All given specifications are provisional data only and subject to change without notice at any time.

REC is a leading global provider of solar energy solutions. With more than 15 years of experience, we offer sustainable, high performing products, services and investments for the solar industry. Together with our partners, we create value by providing solutions that better meet the world's growing energy needs. Founded in Norway, REC is listed on the Oslo Stock Exchange (ticker: RECSOL) and headquartered in Singapore. Our 1,500 employees worldwide generated revenues of NOK 4.1 billion in 2012.



www.recgroup.com