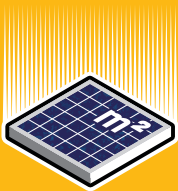


HIGH PERFORMANCE SOLAR MODULES

REC PEAK ENERGY BLK SERIES

REC Peak Energy BLK 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**

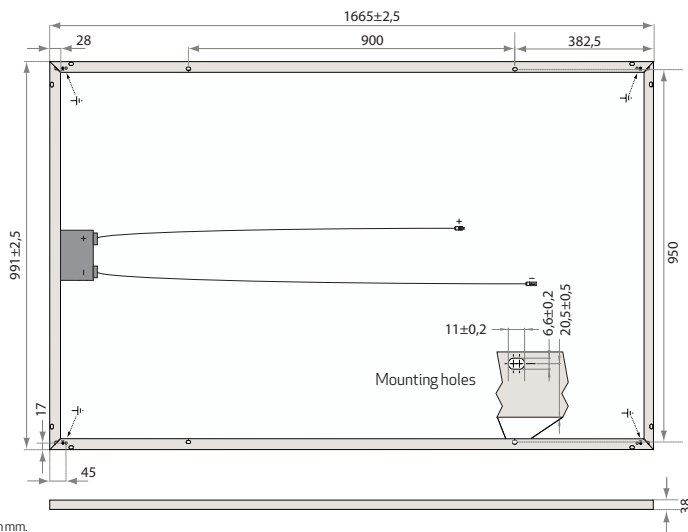


**ENERGY PAYBACK
TIME OF ONE YEAR**



**OPTIMIZED FOR ALL
SUNLIGHT CONDITIONS**

REC PEAK ENERGY BLK SERIES



Measurements in mm.

ELECTRICAL DATA @ STC

	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK	REC255PE BLK	REC260PE BLK
Nominal Power - P_{MPP} (Wp)	235	240	245	250	255	260
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V_{MPP} (V)	29.5	29.7	30.1	30.2	30.5	30.7
Nominal Power Current - I_{MPP} (A)	8.06	8.17	8.23	8.30	8.42	8.50
Open Circuit Voltage - V_{OC} (V)	36.6	36.8	37.1	37.4	37.6	37.8
Short Circuit Current - I_{SC} (A)	8.66	8.75	8.80	8.86	8.95	9.01
Module Efficiency (%)	14.2	14.5	14.8	15.1	15.5	15.8

Analysed data demonstrates that 99.7% of modules produced have current and voltage tolerance of $\pm 3\%$ from nominal values. Values at standard test conditions STC (airmass AM1.5, irradiance 1000 W/m², cell temperature 25°C).

At low irradiance of 200 W/m² (AM1.5 and cell temperature 25°C) at least 97% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT

	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK	REC255PE BLK	REC260PE BLK
Nominal Power - P_{MPP} (Wp)	179	183	187	189	193	197
Nominal Power Voltage - V_{MPP} (V)	27.5	27.7	28.1	28.3	28.5	29.0
Nominal Power Current - I_{MPP} (A)	6.51	6.58	6.64	6.68	6.77	6.81
Open Circuit Voltage - V_{OC} (V)	34.2	34.4	34.7	35.0	35.3	35.7
Short Circuit Current - I_{SC} (A)	6.96	7.03	7.08	7.12	7.21	7.24

Nominal operating cell temperature NOCT (800 W/m², AM1.5, windspeed 1 m/s, ambient temperature 20°C).

CERTIFICATION



IEC 61215 & IEC 61730, IEC 62716 (ammonia resistance) & IEC 61701 (salt mist - severity level 6).



Member of PV Cycle

WARRANTY

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

15.8% EFFICIENCY

10 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

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:	3.2 mm solar glass with anti-reflection surface treatment
Back Sheet:	Double layer highly resistant polyester
Frame:	Anodized aluminium (black)
Junction Box:	IP67 rated 4 mm ² solar cable, 0.9 m + 1.2 m
Connectors:	Multi-Contact MC4 (4 mm ²)
Origin:	Made in Singapore

MAXIMUM RATINGS

Operational Temperature:	-40... +85°C
Maximum System Voltage:	1000 V
Maximum Snow Load:	550 kg/m ² (5400 Pa)
Maximum Wind Load:	244 kg/m ² (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 ²
Weight:	18 kg

Note! Specifications subject to change without notice.

REC is a leading global provider of solar electricity solutions. With nearly two decades of expertise, we offer sustainable, high-performing products, services and investment opportunities for the solar and electronics industries. Together with our partners, we create value by providing solutions that better meet the world's growing electricity needs. Our 2,300 employees worldwide generated revenues of more than NOK 7 billion in 2012, approximately EUR 1 billion.



www.recgroup.com