

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**

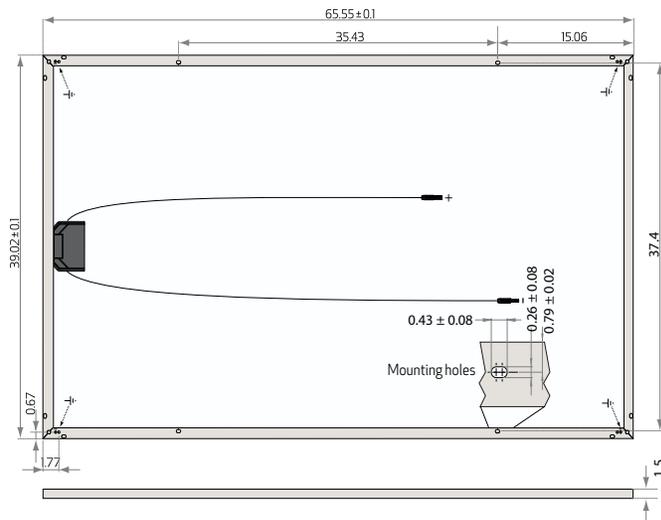


**ENERGY PAYBACK
TIME OF ONE YEAR**



**US-PRODUCED
SILICON**

REC PEAK ENERGY (BLK) SERIES



ELECTRICAL DATA @ STC	REC230PE BLK	REC235PE BLK	REC240PE BLK	REC245PE BLK	REC250PE BLK
Maximum Power - P_{MAX} (Wp)	230	235	240	245	250
Watt Class Tolerance - P_{TOL} (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage - V_{MPP} (V)	29.4	29.8	30.4	30.6	31.1
Maximum Power Current - I_{MPP} (A)	7.8	7.9	7.9	8.0	8.0
Open Circuit Voltage - V_{OC} (V)	37.1	37.4	37.7	38.0	38.3
Short Circuit Current - I_{SC} (A)	8.3	8.3	8.4	8.4	8.5
Module Efficiency (%)	13.9	14.2	14.5	14.8	15.1

Values at Standard Test Conditions STC (Air Mass AM 1.5, Irradiance 1000 W/m², Cell temperature 25 °C)
At low irradiation of 200 W/m² (AM 1.5 and cell temperature 25°C) at least 97% of the STC module efficiency will be achieved

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	47.9°C (±2°C)
Temperature Coefficient of P_{MPP}	-0.46%/°C
Temperature Coefficient of V_{OC}	-0.32%/°C
Temperature Coefficient of I_{SC}	0.011%/°C

CERTIFICATION

Certified according to UL1703, IEC 61215 and IEC 61730

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

GENERAL DATA

Cell Type: 60 REC PE multi-crystalline cells
3 strings of 20 cells - 3 by-pass diodes

Glass: High-transparency solar glass with antireflection surface treatment by Sunarc Technology

Back sheet: Double layer highly resistant polyester

Frame: Black anodized aluminium

Cable: Radox 4 mm² smart cable
35 in +47 in

Connector: Radox 4mm² twist locking connector

MAXIMUM RATINGS	
Operational Temperature	-40 ... +80°C
Maximum System Voltage	600V
Design Load (UL 1703)	75.2 lbs/ft ² (3600Pa)
Maximum Load (IEC 61215)	551 kg/m ² (5400Pa)
Maximum Wind Speed	122 mph (safety factor 3)
Max Series Fuse Rating	15A
Max Reverse Current	15A

MECHANICAL DATA	
Dimensions	65.55 x 39.02 x 1.5 in
Area	17.76 ft ²
Weight	39.6 lbs

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 USD 2.3 billion. Visit www.recgroup.com to learn more about REC.