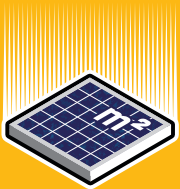


HIGH PERFORMANCE SOLAR PANELS

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 leading standards of design and manufacturing to produce high-performance solar panels with uncompromising quality.



**MORE POWER
PER M²**



**ROBUST AND
DURABLE DESIGN**

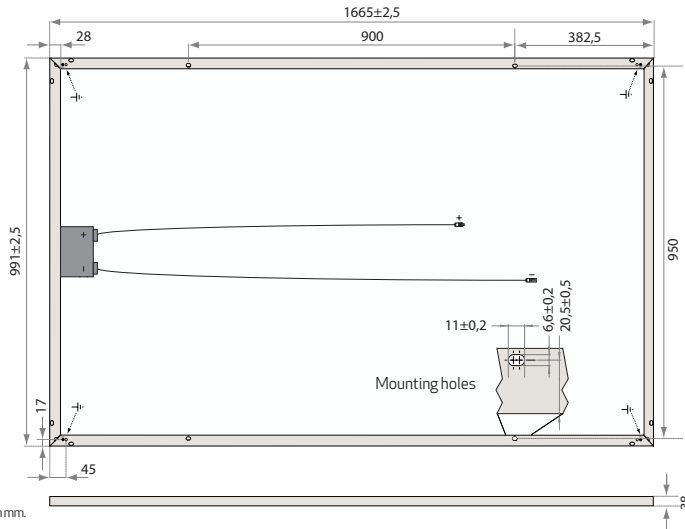


**ENERGY PAYBACK
TIME OF ONE YEAR**



**OPTIMIZED FOR ALL
SUNLIGHT CONDITIONS**

REC PEAK ENERGY BLK SERIES



Measurements in mm.

ELECTRICAL DATA @ STC

| | REC240PE BLK | REC245PE BLK | REC250PE BLK | REC255PE BLK | REC260PE BLK | REC265PE 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 |
| Module Efficiency (%) | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |

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 95.5% of the STC module efficiency will be achieved.

ELECTRICAL DATA @ NOCT

| | REC240PE BLK | REC245PE BLK | REC250PE BLK | REC255PE BLK | REC260PE BLK | REC265PE BLK |
|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Nominal Power - P_{MPP} (Wp) | 177 | 181 | 183 | 187 | 190 | 193 |
| Nominal Power Voltage - V_{MPP} (V) | 27.3 | 27.7 | 27.8 | 28.0 | 28.2 | 28.4 |
| Nominal Power Current - I_{MPP} (A) | 6.48 | 6.52 | 6.58 | 6.68 | 6.74 | 6.80 |
| Open Circuit Voltage - V_{OC} (V) | 34.1 | 34.4 | 34.7 | 34.8 | 35.0 | 35.3 |
| Short Circuit Current - I_{SC} (A) | 7.02 | 7.06 | 7.11 | 7.18 | 7.23 | 7.29 |

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

CERTIFICATION



IEC 61215, IEC 61730 & UL 1703; MCS, IEC 62716 (Ammonia Resistance) IEC 61701 (Salt Mist - severity levels 1 & 6), IEC 60068-2-68 (Blowing Sand)

takeaway
for an easy way
take-e-way WEEE Compliant
Recycling scheme

WARRANTY

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

16.1% 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} | -0.4 %/°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 aluminum (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 the largest European brand of solar panels, with more than 15 million high-quality panels produced at the end of 2014. With integrated manufacturing from polysilicon to wafers, cells, panels and turnkey solar solutions, REC strives to help meet the world's growing energy needs. In partnership with a sales channel of distributors, installers, and EPCs, REC panels are installed globally. Founded in 1996, REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC's 1,800 employees worldwide generated revenues of USD 680 million in 2014.



www.recgroup.com