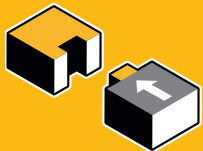


HIGH PERFORMANCE SOLAR MODULES

REC PEAK ENERGY INTEGRATED

The REC Peak Energy Integrated Solution is the perfect choice for building in-roof solar systems that combine the reliable power output of REC solar panels with the proven Solrif installation system. The solution is of uncompromising quality, weatherproof and aesthetic.



**EASY
TO INSTALL**



**ROBUST AND
DURABLE DESIGN**



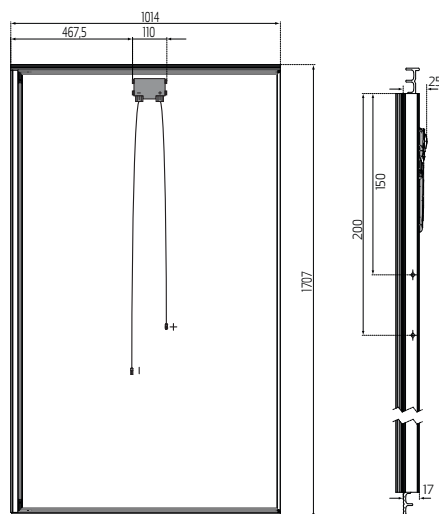
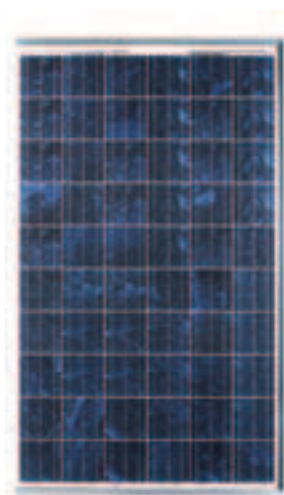
**INSTALLATION SYSTEM FOR
BUILDING INTEGRATION**



**OPTIMIZED FOR ALL
SUNLIGHT CONDITIONS**



REC PEAK ENERGY INTEGRATED



| ELECTRICAL DATA @ STC | REC240PEI | REC245PEI | REC250PEI |
|---------------------------------------|-----------|-----------|-----------|
| Nominal Power - P_{MPP} (Wp) | 240 | 245 | 250 |
| Watt Class Sorting - (W) | 0/+5 | 0/+5 | 0/+5 |
| Nominal Power Voltage - V_{MPP} (V) | 29,9 | 30,2 | 30,5 |
| Nominal Power Current - I_{MPP} (A) | 8,04 | 8,12 | 8,20 |
| Open Circuit Voltage - V_{OC} (V) | 37,0 | 37,2 | 37,5 |
| Short Circuit Current - I_{SC} (A) | 8,60 | 8,68 | 8,76 |
| Module Efficiency (%) | 14,5 | 14,8 | 15,1 |

Values at standard test conditions STC (air mass AM1.5, irradiance 1000 W/m², cell temperature 25°C).

At low irradiation 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 | REC240PEI | REC245PEI | REC250PEI |
|---------------------------------------|-----------|-----------|-----------|
| Nominal Power - P_{MPP} (Wp) | 176 | 179 | 182 |
| Nominal Power Voltage - V_{MPP} (V) | 27.3 | 27.6 | 27.9 |
| Nominal Power Current - I_{MPP} (A) | 6.45 | 6.51 | 6.56 |
| Open Circuit Voltage - V_{OC} (V) | 34.1 | 34.3 | 34.5 |
| Short Circuit Current - I_{SC} (A) | 6.96 | 7.01 | 7.06 |

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

CERTIFICATION



Certified according to IEC 61215 and IEC 61730.



Member of PV Cycle

WARRANTY

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

15.1% EFFICIENCY
10 YEAR PRODUCT WARRANTY
25 YEAR LINEAR PERFORMANCE 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 | Solrif |
| Junction box | IP67 |
| Cable | 4mm ² solar cable, 0.90m +1.20m |
| Connectors | Hosiden 4mm ² (HSC 2009/2010) MC4 Connectable |

MAXIMUM RATINGS

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

MECHANICAL DATA

| | |
|-------------------|---------------------|
| Outer dimensions | 1707 x 1014 x 25 mm |
| Laying dimensions | 1690 x 984 x 34 mm |
| Area | 1.73 m ² |
| Weight | 18.3 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 3,700 people worldwide with revenues close to EUR 1.7 billion in 2011. Visit www.recgroup.com to learn more about REC.



www.recgroup.com