

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**



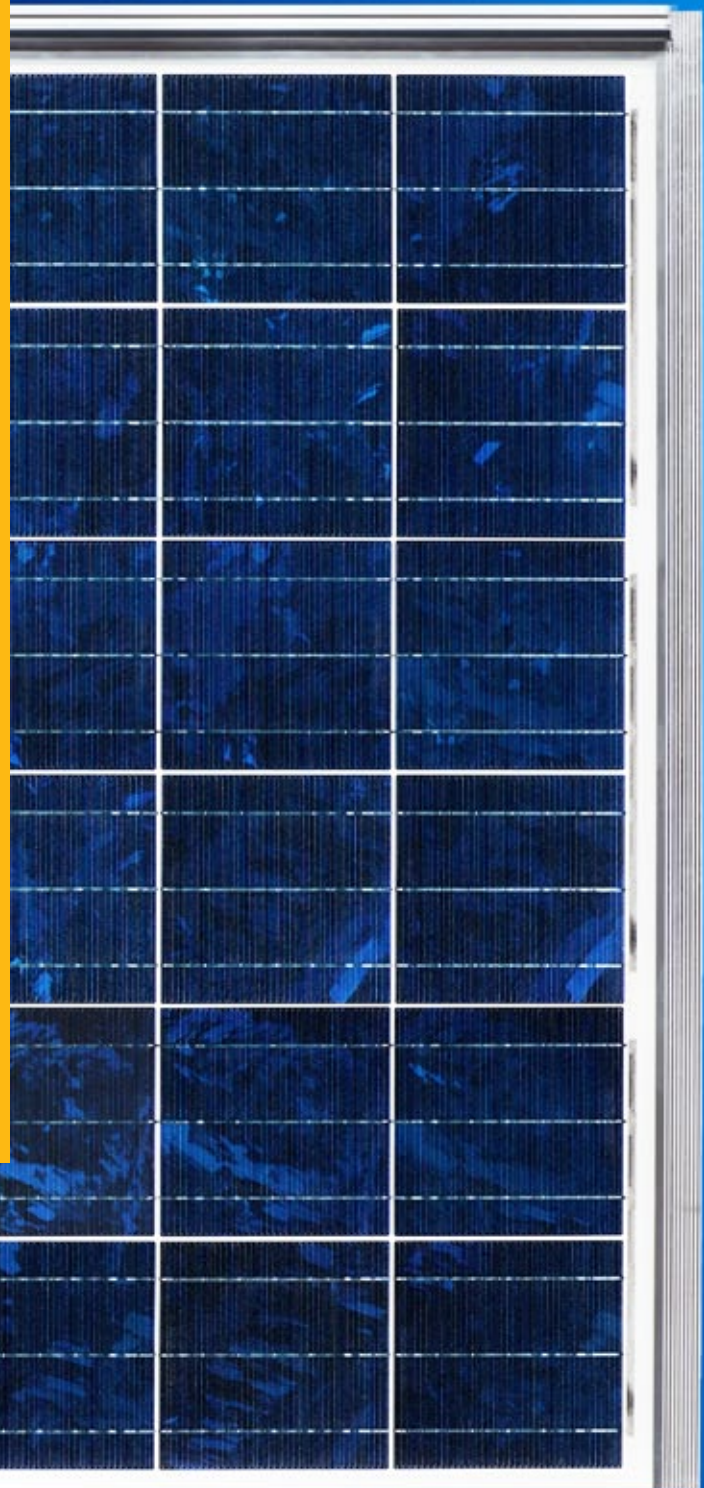
**ROBUST AND
DURABLE DESIGN**



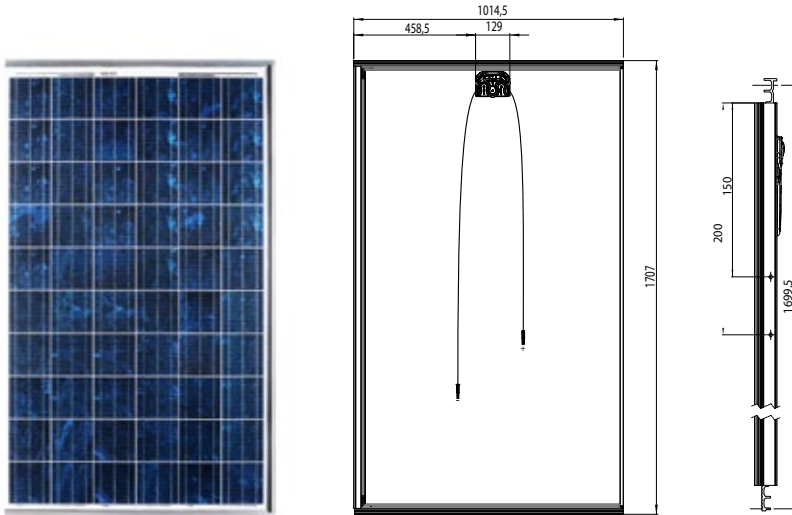
**INSTALLATION SYSTEM FOR
BUILDING INTEGRATION**



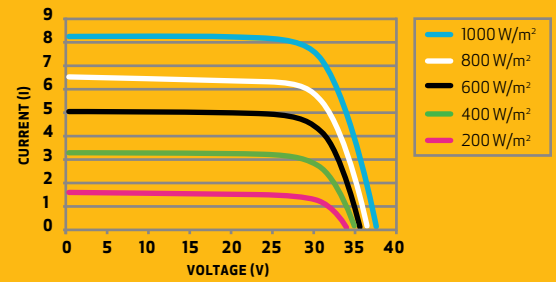
**OPTIMIZED FOR ALL
SUNLIGHT CONDITIONS**



REC PEAK ENERGY INTEGRATED



IV CHARACTERISTICS 235Wp MODULE



14.8 EFFICIENCY
 120 MONTHS WORKMANSHIP WARRANTY
 25 YEAR POWER OUTPUT WARRANTY

| ELECTRICAL DATA @ STC | REC214PEI | REC225PEI | REC230PEI | REC235PEI | REC240PEI | REC245PEI |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Maximum Power - P_{MAX} (Wp) | 214 | 225 | 230 | 235 | 240 | 245 |
| Watt Class Tolerance - P_{TOL} (W) | 0/+5 | 0/+5 | 0/+5 | 0/+5 | 0/+5 | 0/+5 |
| Maximum Power Voltage - V_{MPP} (V) | 28.0 | 29.1 | 29.4 | 29.8 | 30.4 | 30.6 |
| Maximum Power Current - I_{MPP} (A) | 7.6 | 7.7 | 7.8 | 7.9 | 7.9 | 8.0 |
| Open Circuit Voltage - V_{OC} (V) | 36.1 | 36.8 | 37.1 | 37.4 | 37.7 | 38.0 |
| Short Circuit Current - I_{SC} (A) | 8.3 | 8.2 | 8.3 | 8.3 | 8.4 | 8.4 |
| Module Efficiency (%) | 12.9 | 13.6 | 13.9 | 14.2 | 14.5 | 14.8 |

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000 W/m², Cell temperature 25 °C)

| 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 | Solrif |
| Cable | Radox 4mm ² solar cable, 0.90m +1.20m |
| Connectors | Radox 4mm ² twist locking connector |

| TEMPERATURE RATINGS (235 W RATED MODULE) | |
|---|-----------------|
| 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 |

| WARRANTY | |
|------------|--------------------------------------|
| 10 years | limited warranty of 90% power output |
| 25 years | limited warranty of 80% power output |
| 120 months | workmanship warranty |

CERTIFICATION

Certified according to IEC 61215 and IEC 61730

| MECHANICAL DATA | |
|-----------------|---------------------|
| Dimensions | 1701 x 1030 x 34 mm |
| Area | 1.75 m ² |
| Weight | 21.6 kg |

| MAXIMUM RATINGS | |
|-------------------------|---------------------------------|
| Operational Temperature | -40 ... +80 °C |
| Maximum System Voltage | 1000V |
| Maximum Load | 551 kg/m ² (5400 Pa) |
| Maximum Wind Speed | 197 km/h (safety factor 3) |
| Max Series Fuse Rating | 15A |
| Max Reverse Current | 15A |

REC is a leading vertically integrated player in the solar energy industry. REC is among the world's largest producers of polysilicon and wafers for solar applications, and a rapidly growing manufacturer of solar cells and modules. REC is also engaged in project development activities in selected PV segments. Founded in Norway, REC is an international solar company, employing more than 4,000 people worldwide. REC had revenues in excess of NOK 9 billion in 2009.

Note! Specifications subject to change without notice.

Please visit www.recgroup.com

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