SOLAR'S MOST TRUSTED

# REC N-PEAK SERIES

## PREMIUM MONO N-TYPE SOLAR PANELS WITH WORLD-CLASS PERFORMANCE


MONO N-TYPE: THE MOST EFFICIENT C-SI TECHNOLOGY

NO LIGHT INDUCED DEGRADATION

SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD

FLEXIBLE INSTALLATION OPTIONS

IMPROVED PERFORMANCE IN SHADED CONDITIONS

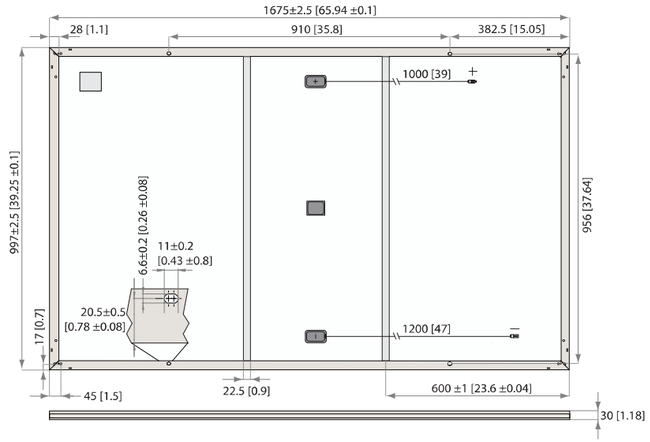
GUARANTEED HIGH POWER OVER LIFETIME

**330 Wp** POWER

**20** YEAR PRODUCT WARRANTY

**25** YEAR POWER OUTPUT WARRANTY

# REC N-PEAK SERIES




Measurements in mm [in]

| ELECTRICAL DATA @ STC | Product code*: RECxxxNP | | | | |
|---|---|---|---|---|---|
| Nominal Power - $P_{MPP}$ (Wp) | 310 | 315 | 320 | 325 | 330 |
| Watt Class Sorting - (W) | -0/+5 | -0/+5 | -0/+5 | -0/+5 | -0/+5 |
| Nominal Power Voltage - $V_{MPP}$ (V) | 33.6 | 33.9 | 34.2 | 34.4 | 34.6 |
| Nominal Power Current - $I_{MPP}$ (A) | 9.24 | 9.31 | 9.37 | 9.46 | 9.55 |
| Open Circuit Voltage - $V_{OC}$ (V) | 40.2 | 40.5 | 40.8 | 41.0 | 41.3 |
| Short Circuit Current - $I_{SC}$ (A) | 10.01 | 10.09 | 10.18 | 10.27 | 10.36 |
| Panel Efficiency (%) | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of $V_{OC}$ & $I_{SC}$ ±3% within one watt class. * Where xxx indicates the nominal power class ($P_{MPP}$) at STC above.

| ELECTRICAL DATA @ NMOT | Product code*: RECxxxNP | | | | |
|---|---|---|---|---|---|
| Nominal Power - $P_{MPP}$ (Wp) | 234 | 238 | 241 | 245 | 249 |
| Nominal Power Voltage - $V_{MPP}$ (V) | 31.1 | 31.4 | 31.7 | 31.9 | 32.1 |
| Nominal Power Current - $I_{MPP}$ (A) | 7.51 | 7.56 | 7.62 | 7.69 | 7.76 |
| Open Circuit Voltage - $V_{OC}$ (V) | 37.3 | 37.5 | 37.8 | 38.0 | 38.3 |
| Short Circuit Current - $I_{SC}$ (A) | 8.01 | 8.07 | 8.14 | 8.22 | 8.29 |

Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s).
* Where xxx indicates the nominal power class ($P_{MPP}$) at STC above.

### CERTIFICATIONS

IEC 61215, IEC 61730 & UL 1703; MCS 005,
IEC 62804, IEC 61701, IEC 62716, IEC 62782
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

take-e-way WEEE-compliant recycling scheme

### WARRANTY

20 year product warranty
25 year linear power output warranty, maximum degression in performance of 0.5% p.a., giving 86% at end of year 25.
See warranty conditions for further details.

### GENERAL DATA

| | |
|---|---|
| Cell type: | 120 half-cut mono c-Si n-type cells 6 strings of 20 cells in series |
| Glass: | 3.2 mm solar glass with anti-reflection surface treatment |
| Backsheet: | Highly resistant polymeric construction |
| Frame: | Anodized aluminum (black) |
| Junction box: | 3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790 |
| Cable: | 4 mm² solar cable, 1.0 m + 1.2 m in accordance with EN 50618 |
| Connectors: | Stäubli MC4 PV-KBT4/KST4 (4 mm²) in accordance with IEC 62852 IP68 only when connected |
| Origin: | Made in Singapore |

### MECHANICAL DATA

| | |
|---|---|
| Dimensions: | 1675 x 997 x 30 mm |
| Area: | 1.67 m² |
| Weight: | 18 kg |

### MAXIMUM RATINGS

| | |
|---|---|
| Operational temperature: | -40 ... +85°C |
| Maximum system voltage: | 1000 V |
| Design load (+): snow<br>Maximum test load (+): | 4666 Pa (475 kg/m²)*<br>7000 Pa (713 kg/m²)* |
| Design load (-): wind<br>Maximum test load (-): | 1600 Pa (163 kg/m²)*<br>2400 Pa (245 kg/m²)* |
| Max series fuse rating: | 25 A |
| Max reverse current: | 25 A |

* Calculated using a safety factor of 1.5
* See installation manual for mounting instructions

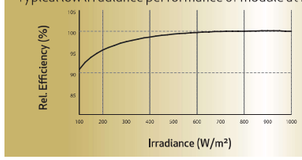
### TEMPERATURE RATINGS *

| | |
|---|---|
| Nominal Module Operating Temperature: | 44°C (±2°C) |
| Temperature coefficient of $P_{MPP}$: | -0.35 %/°C |
| Temperature coefficient of $V_{OC}$: | -0.27 %/°C |
| Temperature coefficient of $I_{SC}$: | 0.04 %/°C |

* The temperature coefficients stated are linear values

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:




Specifications subject to change without notice.

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Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs more than 2,000 people worldwide, producing 1.5 GW of solar panels annually.

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