REC N-PEAK SERIES

PREMIUM MONO N-TYPE SOLAR PANELS WITH SUPERIOR 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 SHADEN CONDITIONS
- GUARANTEED HIGH POWER OVER LIFETIME

NOW WITH NEW WARRANTY!

330 Wp POWER
20 YEAR PRODUCT WARRANTY
0.5% ANNUAL DEGRADATION OVER 25-YEAR POWER WARRANTY
REC N-PEAK SERIES

**Certifications**


**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 n-type mono c-Si cells
- **Glass:** 0.13" (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:** 12 AWG (4 mm²) PV wire, 39 + 47" (1 m + 1.2 m) in accordance with EN 50618
- **Connectors:** Stäubli MC4 PV-KBT4/KST4, 12 AWG (4 mm²) in accordance with IEC 62852
- **IP68 only when connected**
- **Origin:** Made in Singapore

**MECHANICAL DATA**

- **Dimensions:** 65.9 x 39.25 x 1.1" (1675 x 997 x 30 mm)
- **Area:** 1.798 ft² (1.67 m²)
- **Weight:** 39.7 lbs (18 kg)

**MAXIMUM RATINGS**

- **Operational temperature:** -40 ... +85°C
- **Maximum system voltage:** 1000 V
- **Design load (+):** snow 4666 Pa (97.5 lbs/ft²)
- **Maximum test load (+):** 7000 Pa (146 lbs/ft²)
- **Design load (-):** wind 1600 Pa (33.4 lbs/ft²)
- **Maximum test load (-):** 2400 Pa (50 lbs/ft²)
- **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 Operating Cell Temperature:** 44°C (±2°C)
- **Temperature coefficient of P_{MPPT} (°C):** -0.35%
- **Temperature coefficient of V_{OC} (°C):** -0.27%
- **Temperature coefficient of I_{SC} (°C):** 0.04%

*The temperature coefficients stated are linear values

**Certifications**

- **Measurements in mm [in]**

**ELECTRICAL DATA @ STC**

Product code: RECxxxNP

| Nominal Power - P_{MPPT} (Wp) | 310 | 315 | 320 | 325 | 330 |
| Nominal Power Voltage - V_{MPPT} (V) | 33.6 | 33.9 | 34.2 | 34.4 | 34.6 |
| Open Circuit Voltage - V_{OC} (V) | 40.2 | 40.5 | 40.8 | 41.0 | 41.3 |
| Short Circuit Current - I_{SC} (A) | 10.1 | 10.9 | 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_{MPPT}) at STC above.

**ELECTRICAL DATA @ NOCT**

Product code: RECxxxNP

| Nominal Power - P_{MPPT} (Wp) | 234 | 238 | 241 | 245 | 249 |
| Nominal Power Voltage - V_{MPPT} (V) | 31.1 | 31.4 | 31.7 | 31.9 | 32.1 |
| Nominal Power Current - I_{MPPT} (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 operating cell temperature (NOCT: air mass AM 1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s).

*Where xxx indicates the nominal power class (P_{MPPT}) at STC above.

**Certifications**

- **DcE**
- **UL 1703**
- **IREN 1010**
- **CE**
- **ETL Listed**

**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.

**Low Light Behaviour**

Typical low irradiance performance of module at STC.