REC N-PEAK BLACK SERIES

PREMIUM FULL BLACK 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 shaded conditions
- Guaranteed high power over lifetime

325 Wp POWER
20 YEAR PRODUCT WARRANTY
25 YEAR POWER WARRANTY
**REC N-PEAK BLACK SERIES**

**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 reflective and resistant polymeric construction (black)
- **Frame:** Anodized aluminum (black)
- **Junction box:** 3-part, 3 bypass diodes, IP67 rated
- **Cable:** 12 AWG (4 mm²) PV wire, 39 + 47" (1 m + 1.2 m)
- **Connectors:** Stäubli MC4 PV-KBT4/KST4, 12 AWG (4 mm²)
- **Origin:** Made in Singapore

**MECHANICAL DATA**
- **Dimensions:** 65.9 x 39.25 x 1.1" (1675 x 997 x 30 mm)
- **Area:** 17.98 ft² (1.67 m²)
- **Weight:** 39.7 lbs (18 kg)
- **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:** 20 A
- **Max reverse current:** 20 A

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

**ELECTRICAL DATA @ NOCT**
- **Product code:** RECxxxNP Black
- **Nominal Power: P_{mpp} (Wp) 234 238 241 245**
- **Nominal Power Voltage: V_{mpp} (V) 31.1 31.4 31.7 31.9**
- **Nominal Power Current: I_{mpp} (A) 7.51 7.56 7.62 7.69**
- **Open Circuit Voltage: V_{oc} (V) 37.3 37.5 37.8 38.0**
- **Short Circuit Current: I_{sc} (A) 8.01 8.07 8.14 8.22**

**CERTIFICATIONS**

**WARRANTY**
- 20 year product warranty
- 25 year linear power output warranty, maximum degeneration 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.