

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



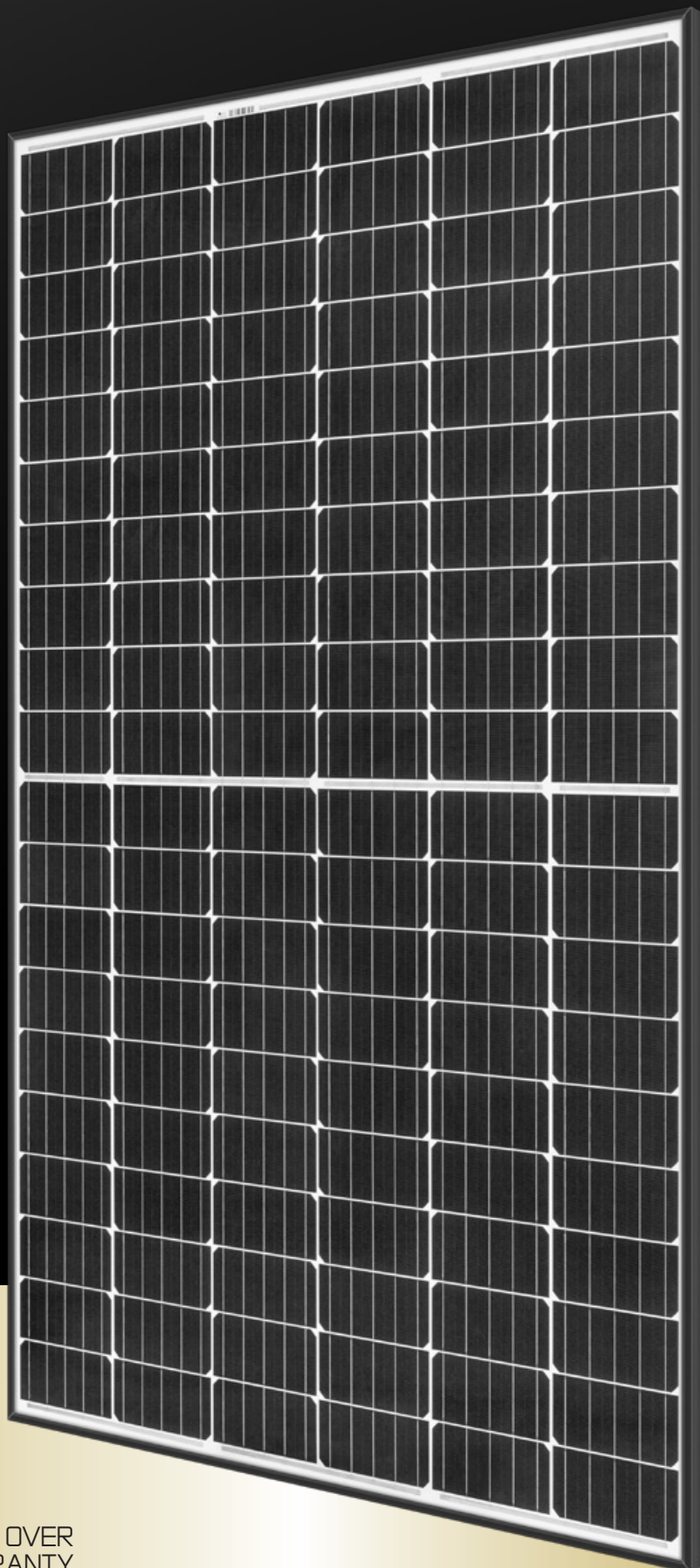
FLEXIBLE
INSTALLATION
OPTIONS



IMPROVED
PERFORMANCE IN
SHADED CONDITIONS



GUARANTEED HIGH
POWER OVER LIFETIME



330 W_P

POWER

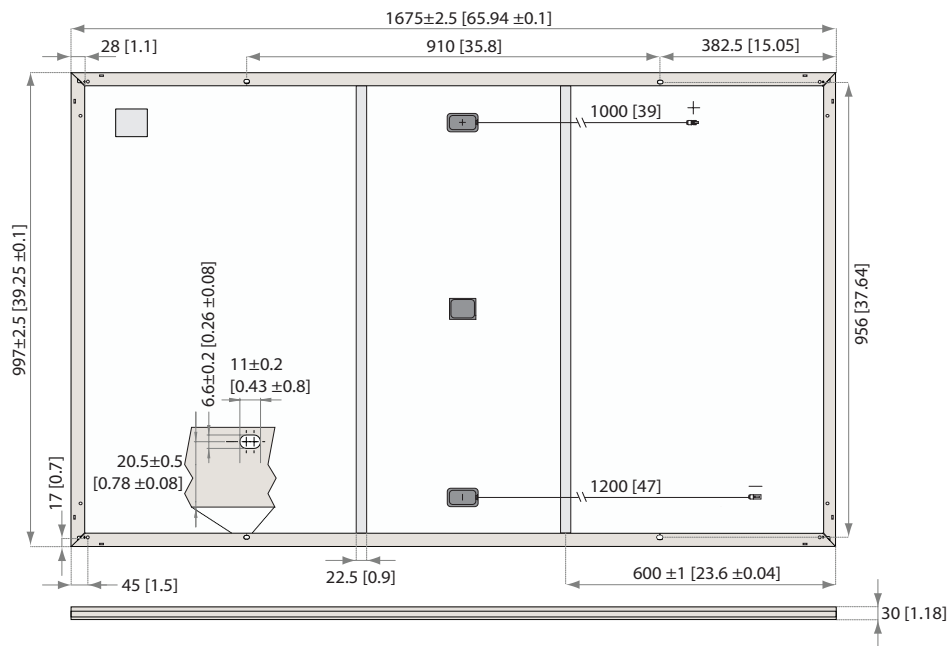
12

YEAR PRODUCT
WARRANTY

0.5%

ANNUAL DEGRADATION OVER
25-YEAR POWER WARRANTY

REC N-PEAK SERIES



Measurements in mm [in]

ELECTRICAL DATA @ STC

Product code*: RECxxxNP

Nominal Power - P_{MPP} (Wp)	320
Watt Class Sorting - (W)	-0/+5
Nominal Power Voltage - V_{MPP} (V)	34.2
Nominal Power Current - I_{MPP} (A)	9.37
Open Circuit Voltage - V_{OC} (V)	40.8
Short Circuit Current - I_{SC} (A)	10.18
Panel Efficiency (%)	19.2

Values at standard test conditions (STC: air mass AM1.5, 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.

WARRANTY

12 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.

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

takeaway take-e-way WEEE-compliant recycling scheme
for an easy way

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 mm ² solar cable, 1.0 m + 1.2 m in accordance with EN 50618
Connectors:	Stäubli MC4 PV-KBT4/KST4 (4 mm ²) 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 m ²
Weight:	18 kg

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Design load (+): snow	4666 Pa (475 kg/m ²)*
Maximum test load (+):	7000 Pa (713 kg/m ²)*
Design load (-): wind	1600 Pa (163 kg/m ²)*
Maximum test load (-):	2400 Pa (245 kg/m ²)*
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

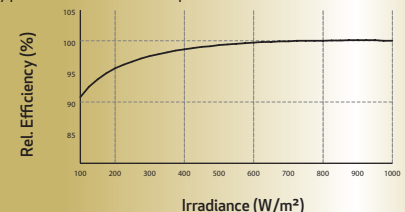
TEMPERATURE RATINGS *

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:



UTICATM

www.utica.sg

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 around 2,000 people worldwide, producing 1.5 GW of solar panels annually.

REC

www.recgroup.com

Specifications subject to change without notice.

Ref: NE-05-11-Rev- A.2 07.18