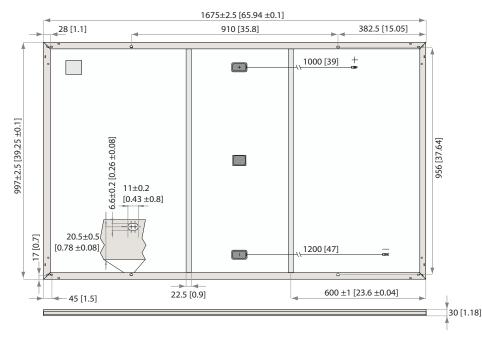






REC N-PEAK BLACK SERIES



Measurements in mm [in]

ELECTRICAL DATA @ STC	Product code*: RECxxxNP Black			
Nominal Power - P _{MPP} (Wp)	310	315	320	325
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-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

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

ELECTRICAL DATA @ NMOT	Product code*: R	ECxxxNP Bla	ack	
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	07.0	37.8	38.0
Short Circuit Current - I _{sc} (A)	8.01	8.07	8.14	8.22

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



take Sway 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 reflective and resistant polymeric construction (black)
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 m ²
Weight:	18 kg
	Area:

MAXIMUM RATINGS -40...+85°C **Operational temperature:** 1000 V Maximum system voltage: Design load (+): snow 4666 Pa (475 kg/m²)* Maximum test load (+): 7000 Pa (713 kg/m²)* Design load (-): wind 1600 Pa (163 kg/m²) Maximum test load (-): 2400 Pa (245 kg/m²)³ Max series fuse rating: 25 A

⁺Calculated using a safety factor of 1.5

* See installation manual for mounting instructions

TEMPERATURE RATINGS

LOW LIGHT BEHAVIOUR

Efficiency (%)

Rel.

Max reverse current:

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			

Typical low irradiance performance of module at STC:

Irradiance (W/m²)

notice

25 A



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

