SOLAR'S MOST TRUSTED

REC

REC ALPHα BLACK SERIES

375 W_P POWER

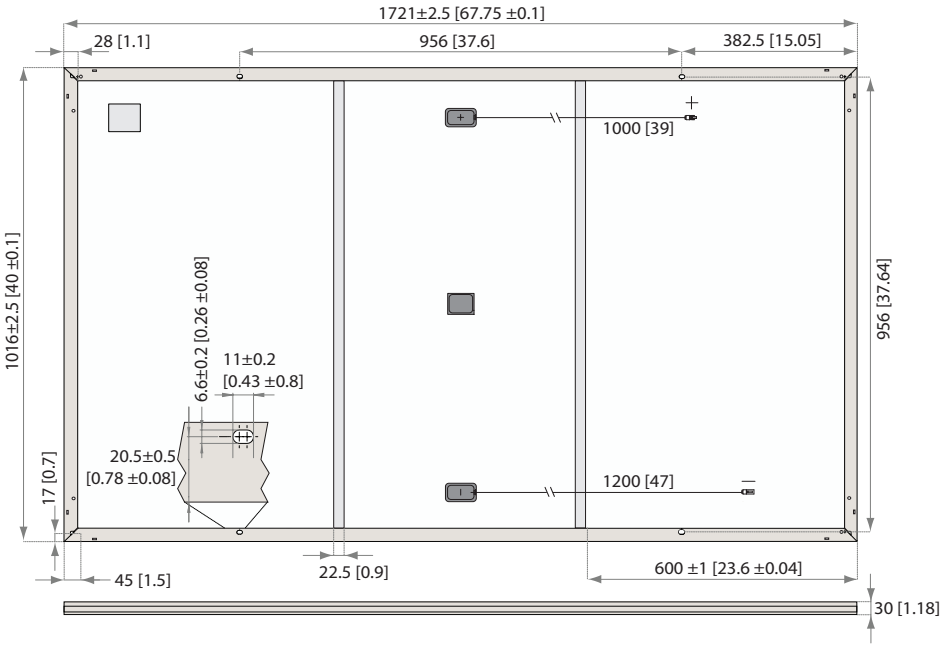
20 YEAR PRODUCT WARRANTY

25 YEAR POWER OUTPUT WARRANTY

α

recgroup.com/alpha

REC ALPHα BLACK SERIES



Measurements in mm [in]

GENERAL DATA

Cell type:	120 half-cut n-type mono cells with REC heterojunction cell technology 6 strings of 20 cells in series
Glass:	3.2 mm solar glass with anti-reflection surface treatment
Backsheet:	Highly 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:	1721 x 1016 x 30 mm
Area:	1.75 m²
Weight:	19.5 kg

ELECTRICAL DATA @ STC

Product Code*: RECxxxAA Black					
Nominal Power - P_{MPP} (Wp)	355	360	365	370	375
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V_{MPP} (V)	37.4	37.7	38.0	38.3	38.7
Nominal Power Current - I_{MPP} (A)	9.50	9.55	9.60	9.66	9.71
Open Circuit Voltage - V_{OC} (V)	44.0	44.3	44.6	44.9	45.2
Short Circuit Current - I_{SC} (A)	10.14	10.16	10.19	10.21	10.23
Panel Efficiency (%)	20.3	20.6	20.9	21.2	21.4

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.

MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Design load (+): snow Maximum test load (+):	4666 Pa (475 kg/m²)* 7000 Pa (713 kg/m²)*
Design load (-): wind Maximum test load (-):	2666 Pa (272 kg/m²)* 4000 Pa (407 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

ELECTRICAL DATA @ NMOT

Product Code*: RECxxxAA Black					
Nominal Power - P_{MPP} (Wp)	268	272	276	279	284
Nominal Power Voltage - V_{MPP} (V)	35.0	35.3	35.5	35.8	36.2
Nominal Power Current - I_{MPP} (A)	7.67	7.71	7.75	7.80	7.84
Open Circuit Voltage - V_{OC} (V)	41.1	41.4	41.7	42.0	42.3
Short Circuit Current - I_{SC} (A)	8.19	8.21	8.23	8.25	8.26

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.

TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44°C (±2°C)
Temperature coefficient of P_{MPP}:	-0.26 %/°C
Temperature coefficient of V_{OC}:	-0.24 %/°C
Temperature coefficient of I_{SC}:	0.04 %/°C

* The temperature coefficients stated are linear values

CERTIFICATIONS

UL 1703; pending IEC 61215, IEC 61730;
ISO 9001: 2015; ISO 14001: 2004, OHSAS 18001: 2007, ISO 11925-2

take-e-way WEEE-compliant recycling scheme

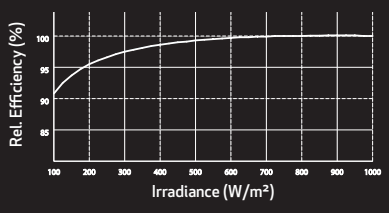
WARRANTY

- 20 year product warranty
- 25 year linear power output warranty
- Maximum annual power degression of 0.25% p.a.
- Guarantees 92% of power after 25 years

See warranty conditions for further details.

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Specifications subject to change without notice.

Ref: PM-DS-12-02-Rev-A 06.19

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