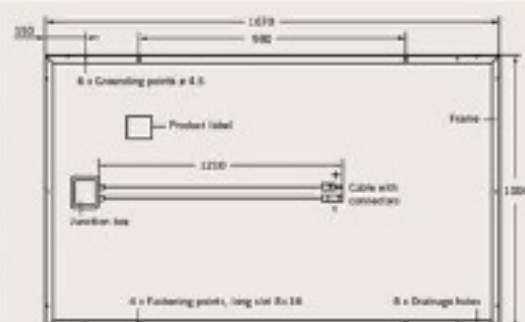


MECHANICAL SPECIFICATION

Format	1670 mm x 1000 mm x 35 mm (including frame)
Weight	19 kg
Front Cover	3.2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Anodised aluminium
Cell	6 x 10 monocrystalline solar cells
Junction box	110 mm x 115 mm x 23 mm Protection class IP67, with bypass diodes
Cable	4 mm ² Solar cable, (+) 1210 mm, (-) 1210 mm
Connector	SOLARLOK PV4, IP68



ELECTRICAL CHARACTERISTICS

PERFORMANCE AT STANDARD TEST CONDITIONS (STC: 1000 W/m², 25 °C, AM 1.5 G SPECTRUM)¹

NOMINAL POWER (+5 W/-0 W)		[W]	235	260	265	270	275
Average Power	P_{ave}	[W]	257.5	262.5	267.5	272.5	277.5
Short Circuit Current	I_{sc}	[A]	9.12	9.17	9.23	9.28	9.33
Open Circuit Voltage	V_{oc}	[V]	37.54	37.92	38.30	38.67	39.03
Current at P_{ave}	I_{ave}	[A]	8.50	8.58	8.66	8.74	8.83
Voltage at P_{ave}	V_{ave}	[V]	30.31	30.60	30.88	31.16	31.44
Efficiency (Nominal Power)	η	[%]	> 15.3	> 15.6	> 15.9	> 16.2	> 16.5

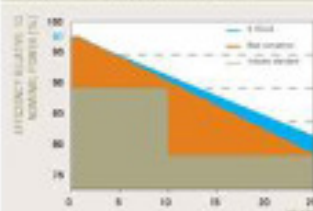
PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE (NOCT: 800 W/m², 43 ± 3 °C, AM 1.5 G SPECTRUM)²

NOMINAL POWER (+5 W/-0 W)		[W]	235	260	265	270	275
Average Power	P_{ave}	[W]	187.95	191.80	195.25	198.80	202.55
Short Circuit Current	I_{sc}	[A]	7.36	7.40	7.45	7.49	7.53
Open Circuit Voltage	V_{oc}	[V]	34.47	34.83	35.17	35.52	35.85
Current at P_{ave}	I_{ave}	[A]	6.79	6.85	6.92	6.98	7.05
Voltage at P_{ave}	V_{ave}	[V]	27.69	27.96	28.22	28.49	28.74

¹ Measurement tolerances: STC: ± 3% (P_{ave}), ± 1.0% (I_{sc} , V_{oc} , I_{ave} , V_{ave})

² Measurement tolerances: NOCT: ± 5% (P_{ave}), ± 1.0% (I_{sc} , V_{oc} , I_{ave} , V_{ave})

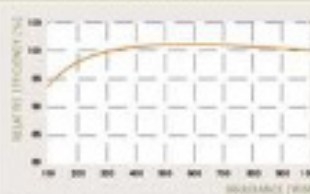
Q CELLS PERFORMANCE WARRANTY



At least 97% of nominal power during first year. Thereafter max. 0.6% degradation per year.
At least 82% of nominal power after 10 years.
At least 83% of nominal power after 25 years.

All data within measurement tolerances.
Full warranty is in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

PERFORMANCE AT LOW IRRADIANCE



The typical change in module efficiency of an irradiance of 200 W/m² in relation to 1000 W/m² (both at 25 °C and AM 1.5 G spectrum) is -2% (relative).

TEMPERATURE COEFFICIENTS (AT 1000 W/m², 25 °C, AM 1.5 G SPECTRUM)

Temperature Coefficient of I_{sc}	α	[%/K]	+0.04	Temperature Coefficient of V_{oc}	β	[%/K]	-0.33
Temperature Coefficient of P_{ave}	γ	[%/K]	-0.43				

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V_{sys}	[V]	1000	Safety Class	II
Maximum Reverse Current I_r	[A]	20	Fire Rating	C
Wind/ Snow Load (in accordance with IEC 61215)	[Pa]	5400	Permitted module temperature on continuous duty	-40 °C up to +85 °C

QUALIFICATIONS AND CERTIFICATES

VDE Quality Tested, IEC 61215 (Ed.2), IEC 61730 (Ed.1), Application class A.
This data sheet complies with DIN EN 50380.



PARTNER

NOTE: Installation instructions must be followed. See the installation and operating manual or contact the technical service department for further information on approved installation and use of this product.

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