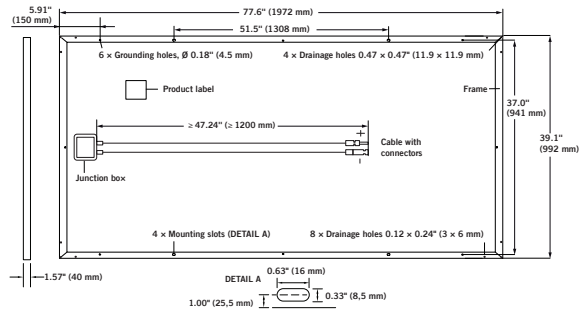


SPECIFICATION B.LINE PRO L-G3

MECHANICAL SPECIFICATION

Format	77.6 in × 39.1 in × 1.57 in (including frame) (1972 mm × 992 mm × 40 mm)
Weight	50.7 lb (23 kg)
Front Cover	0.12 in (3.2 mm) thermally pre-stressed ARC glass
Back Cover	Composite film
Frame	Anodised aluminium
Cell	6 × 12 polycrystalline solar cells
Junction Box	4.33 in × 4.53 in × 0.91 in (110 mm × 115 mm × 23 mm) Protection class IP67, with bypass diodes
Cable	4 mm ² Solar cable; (+) ≥ 47.24 in (1200 mm), (-) ≥ 47.24 in (1200 mm)
Connector	Amphenol H4, IP68

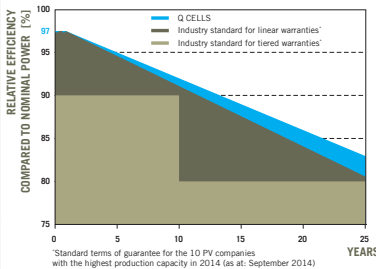


ELECTRICAL CHARACTERISTICS

POWER CLASS		302	317	
AVERAGE PERFORMANCE AT STANDARD TEST CONDITIONS, STC ¹ (POWER TOLERANCE ±7.5 W)				
Average	Power at MPP ²	P_{MPP} [W]	302.5	317.5
	Short Circuit Current*	I_{SC} [A]	8.95	9.16
	Open Circuit Voltage*	V_{OC} [V]	45.02	45.72
	Current at MPP*	I_{MPP} [A]	8.35	8.56
	Voltage at MPP*	V_{MPP} [V]	36.24	37.11
	Efficiency ²	η [%]	≥ 15.5	≥ 16.2
AVERAGE PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOC ³				
Average	Power at MPP ²	P_{MPP} [W]	223.4	234.5
	Short Circuit Current*	I_{SC} [A]	7.22	7.39
	Open Circuit Voltage*	V_{OC} [V]	41.91	42.57
	Current at MPP*	I_{MPP} [A]	6.53	6.70
	Voltage at MPP*	V_{MPP} [V]	34.22	35.01

¹1000 W/m², 25 °C, spectrum AM 1.5 G ²Measurement tolerances STC ±3%; NOC ±5% ³800 W/m², NOCT, spectrum AM 1.5 G * typical values, actual values may differ

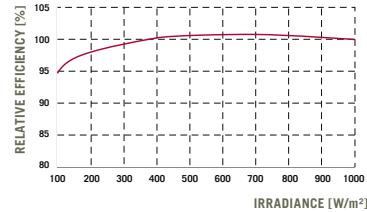
Q CELLS PERFORMANCE WARRANTY



At least 97% of nominal power during first year. Thereafter max. 0.6% degradation per year.
At least 92% of nominal power after 10 years.
At least 83% of nominal power after 25 years.

All data within measurement tolerances. Full warranties 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 at 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

Temperature Coefficient of I _{SC}	α [%/K]	+0.04	Temperature Coefficient of V _{OC}	β [%/K]	-0.30
Temperature Coefficient of P _{MPP}	γ [%/K]	-0.41	Normal Operating Cell Temperature	NOCT [°C]	45

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{sys} [V]	1000 (IEC) / 1000 (UL)	Safety Class	II
Maximum Reverse Current	I_r [A]	20	Fire Rating	C / TYPE 1
Wind/Snow Load (in accordance with IEC 61215)	[Pa]	4000/5400	Permitted Module Temperature On Continuous Duty	-40 °C up to +85 °C

QUALIFICATIONS AND CERTIFICATES

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 our technical service department for further information on approved installation and use of this product.

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