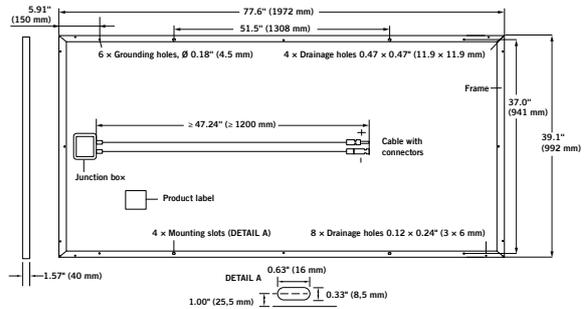


# SPECIFICATION B.LINE PRO L-G3

## 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 <sup>2</sup> Solar cable; (+) ≥ 47.24 in (1200 mm), (-) ≥ 47.24 in (1200 mm)
Connector	Amphenol H4, IP68

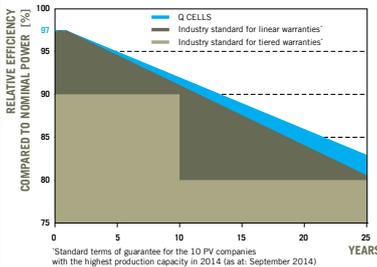


## ELECTRICAL CHARACTERISTICS

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

<sup>1</sup>1000 W/m<sup>2</sup>, 25 °C, spectrum AM 1.5G    <sup>2</sup>Measurement tolerances STC ± 3 %; NOC ± 5 %    <sup>3</sup>800 W/m<sup>2</sup>, NOCT, spectrum AM 1.5G    \* typical values, actual values may differ

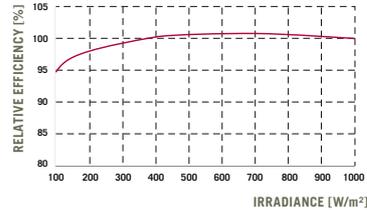
## Q CELLS PERFORMANCE WARRANTY



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/m<sup>2</sup> in relation to 1000 W/m<sup>2</sup> (both at 25 °C and AM 1.5G spectrum) is -2 % (relative).

## TEMPERATURE COEFFICIENTS

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

## PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	<b>V<sub>sys</sub></b> [V]	1000 (IEC) / 1000 (UL)	Safety Class	II
Maximum Reverse Current	<b>I<sub>r</sub></b> [A]	20	Fire Rating	C / TYPE 1
Wind/Snow Load (in accordance with IEC 61215)	<b>[Pa]</b>	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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Engineered in Germany

