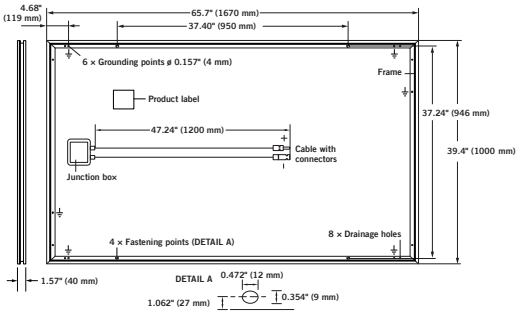
SPECIFICATION B.LINE PRO-G4 SC

MECHANICAL SPECIFICATION

Format	65.7 in × 39.4 in × 1.57 in (including frame) (1670 mm × 1000 mm × 40 mm)
Weight	44.09 lb (20.0 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized ZEP compatible frame
Cell	6 × 10 polycrystalline solar cells
Junction box	Protection class IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥47.24 in (1200 mm), (-) ≥47.24 in (1200 mm)
Connector	Amphenol, Helios H4 (IP68) or MC4



ELECTRICAL CHARACTERISTICS

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

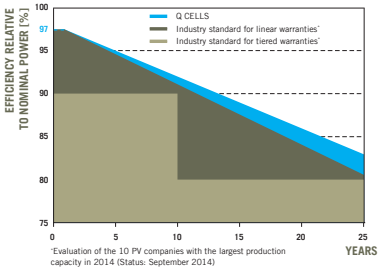
POWER CLASS (±7.5 W)		**[W]**	**252**	**267**
Nominal Power	P_{MPP}	**[W]**	252.5	267.5
Short Circuit Current	I_{SC}	**[A]**	9.02	9.27
Open Circuit Voltage	V_{OC}	**[V]**	37.43	38.12
Current at P_{MPP}	I_{MPP}	**[A]**	8.41	8.66
Voltage at P_{MPP}	V_{MPP}	**[V]**	30.03	30.89
Efficiency (Nominal Power)	η	**[%]**	≥15.1	≥16.0

PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE (NOCT: 800 W/m², 45 ±3 °C, AM 1.5 G SPECTRUM)[2]

POWER CLASS		**[W]**	**252**	**267**
Nominal Power	P_{MPP}	**[W]**	186.2	197.3
Short Circuit Current	I_{SC}	**[A]**	7.28	7.48
Open Circuit Voltage	V_{OC}	**[V]**	34.84	35.49
Current at P_{MPP}	I_{MPP}	**[A]**	6.58	6.78
Voltage at P_{MPP}	V_{MPP}	**[V]**	28.31	29.10

[1] Measurement tolerances STC: ±3 % (P_{mpp}); ±10 % (I_{sc}, V_{oc}, I_{mpp}, V_{mpp}) [2] Measurement tolerances NOCT: ±5 % (P_{mpp}); ±10 % (I_{sc}, V_{oc}, I_{mpp}, V_{mpp})

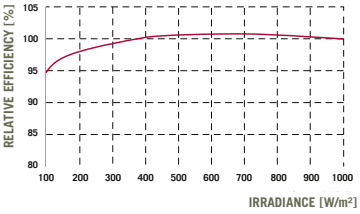
Q CELLS PERFORMANCE WARRANTY



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 (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]**	−0.30
Temperature Coefficient of P_{MPP}	γ	**[%/K]**	−0.41	**NOCT**		**[°F]**	113 ± 5.4 (45 ± 3 °C)

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V_{SYS}	**[V]**	1000 (IEC) / 1000 (UL)	**Safety Class**	II
Maximum Series Fuse Rating	**[A DC]**	20	**Fire Rating**	C / TYPE 1
Wind/Snow Load (in accordance with IEC 61215)	**[Pa]**	2400/5400	**Permitted module temperature on continuous duty**	-40 °F up to +185 °F (-40 °C up to +85 °C)
			[2] see installation manual	

QUALIFICATIONS AND CERTIFICATES

UL 1703; VDE Quality Tested; CE-compliant;
IEC 61215 (Ed.2); IEC 61730 (Ed.1) application class A

C Certified US UL 1703 (254141)

PACKAGING INFORMATION

Number of Modules per Pallet	26
Number of Pallets per 53' Container	32
Number of Pallets per 40' Container	26
Pallet Dimensions (L × W × H)	68.7 in × 45.0 in × 46.0 in (1745 × 1145 × 1170 mm)
Pallet Weight	1254 lb (569 kg)

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. Warranty void if non-ZEP-certified hardware is attached to groove in module frame.

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Engineered in **Germany**