

POLYCRYSTALLINE SOLAR MODULE

Q.PRO-G3 250-270

Versatility. Safety. Performance.

The new Q.PRO-G3 is the new standard in solar. The third module generation from Q CELLS has been optimised across the board: improved output yield, higher operating reliability and durability, quicker installation and more intelligent design - MADE IN EUROPE.

INNOVATIVE ALL-WEATHER TECHNOLOGY

- Maximum yields with excellent low-light and temperature behaviour.
- Increased efficiency due to world recordholding cell concept Q.ANTUM.

RELIABILITY AND HIGH PERFORMANCE

- Long-term Yield Security due to Anti PID Technology¹, Hot-Spot Protect, and Traceable Quality Tra.Q™.
- Long-term stability due to VDE Quality **Tested** – the strictest test program.

SAFE ELECTRONICS

• Protection against short circuits and thermally induced power losses due to breathable junction box and welded cables.

ANTI-REFLECTIVE COATING TECHNOLOGY

• Reduction of light reflection by 50 %, plus long-term corrosion resistance due to high quality Sol-Gel roller coating processing.

LIGHTWEIGHT QUALITY FRAME

• Stability at wind loads of up to 5400 Pa with a module weight of just 19 kg due to slim frame design with high-tech alloy.

MAXIMUM COST REDUCTIONS

• Up to 29% lower logistics costs due to higher module capacity per box.

EXTENDED WARRANTIES

• Investment security due to 12-year product warranty and 25-year linear performance warranty2.





MADE IN EUROPE

APT test conditions: Cells at -1000 V against grounded, with conductive metal foil covered module surface, 25 °C, 168 h

See data sheet on rear for further informatio

Q CELLS PERFORMANCE WARRANTY						
RELATIVE 1	00 97 95				Q CELLS Best com	
	85 80					
	75		,			
	0	5	10	15	20	25 YEARS

 1 Measurement tolerances STC: $\pm 3\,\%$ (P_{MPP}); $\pm \,10\,\%$ (I_{SC}, V_{OC}, I_{MPP}, V_{MPP})

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.



 2 Measurement tolerances NOCT: $\pm\,5\,\%$ (P_{MPP}); $\pm\,10\,\%$ (I_{SC}, V_{OC}, I_{MPP}, V_{MPP})

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/m 2 , 25 $^{\circ}$ C, AM 1.5 G SPECTRUM)

Temperature Coefficient of I _{sc}	α	[%/K]	+0.04	Temperature Coefficient of $V_{_{\infty}}$	β	[%/K]	-0.33
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.42				

PROPERTIES FOR SYSTEM DESIGN							
Maximum System Voltage V _{SYS}	[V]	1000	Safety Class	II			
Maximum Reverse Current I _R	[A]	20	Fire Rating	С			
Wind/Snow Load (in accordance with IEC 61215)	[Pa]	5400	Permitted module temperature on continuous duty	-40 °C up to +85 °C			

PARTNER

QUALIFICATIONS AND CERTIFICATES

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





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.

Hanwha Q CELLS Australia Pty Ltd



1000

270

272.5

9.47

38.86

8.85

30.80

≥16.2

270

200.8

7.63

35.95

6.93

28 99