

The new Q.POWER-G5 is the result of the continued evolution of our polycrystalline solar modules. Thanks to improved power yield, excellent reliability and high-level operational safety, the new Q.POWER-G5 generates electricity at a low cost (LCOE) and is suitable for a wide range of applications.



SUPERIOR YIELD

High power output thanks to advanced 6-busbar technology and outstanding performance under real-life conditions.



LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes and an efficiency rate of up to 17.4%.



INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty¹.









See data sheet on rear for further information.

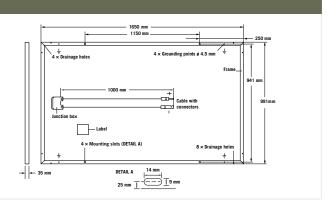
THE IDEAL SOLUTION FOR:











EL	ECTRICAL CHARACTERISTICS								
P0	WER CLASS	260	265	270	275	280			
MI	NIMUM PERFORMANCE AT STANDARD TEST COND	ITIONS, STO	C1 (POWER TO	OLERANCE +5W/-0W	1)				
	Power at MPP ²	P_{MPP}	[W]	260	265	270	275	280	
_	Short Circuit Current*	I _{sc}	[A]	9.05	9.20	9.23	9.27	9.29	
Minimum	Open Circuit Voltage*	\mathbf{V}_{oc}	[V]	37.7	38.0	38.1	38.3	38.5	
E.	Current at MPP*	I _{MPP}	[A]	8.45	8.58	8.69	8.79	8.87	
_	Voltage at MPP*	\mathbf{V}_{MPP}	[V]	30.8	30.9	31.1	31.3	31.6	
	Efficiency ²	η	[%]	≥15.9	≥16.2	≥16.5	≥16.8	≥17.1	
MI	MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOC ³								
	Power at MPP ²	P_{MPP}	[W]	191	195	199	202	206	
트	Short Circuit Current*	I _{sc}	[A]	7.32	7.44	7.47	7.50	7.51	
Minimum	Open Circuit Voltage*	V _{oc}	[V]	35.4	35.6	35.7	35.9	36.1	
	Current at MPP*	I _{MPP}	[A]	6.75	6.86	6.95	7.02	7.09	
	Voltage at MPP*	\mathbf{V}_{MPP}	[V]	28.3	28.4	28.6	28.8	29.1	

1000 W/m², 25 °C, spectrum AM 1.5G 2 Measurement tolerances STC ±3%; NOC ±5% 3 800 W/m², NOCT, spectrum AM 1.5G *typical values, actual values may differ

Q CELLS PERFORMANCE WARRANTY

To the highest production capacity in 2014 (as at September 2014) Output Out

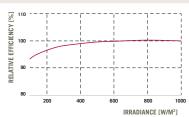
At least 97 % of nominal power during first year. Thereafter max. $0.6\,\%$ degradation per year. At least $91.6\,\%$ of nominal power up to

At least 91.6% of nominal power up to 10 years.
At least 83.0% of nominal power up to

25 years.

All data within measurement tolerances. full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country.

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 $^{\circ}$ C, 1000 W/m²).

Temperature Coefficient of \mathbf{I}_{sc}	α	[%/K]	+0.05	Temperature Coefficient of \mathbf{V}_{oc}	β	[%/K]	-0.31
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.40	Normal Operating Cell Temperature	NOCT	[°C]	45±3

PROPERTIES FOR SYSTEM DESIGN							
Maximum System Voltage	$\mathbf{V}_{\mathrm{sys}}$	[V]	1000 (IEC), 1500 (IEC)	Safety Class	II		
Maximum Reverse Current	I _R	[A]	20	Fire Rating	С		
Push/Pull Load (Test-load in accordance with IEC 61215)		[Pa]	5400/4000	Permitted Module Temperature On Continuous Duty	-40°C up to +85°C		

PARTNER

QUALIFICATIONS AND CERTIFICATES

IEC 61215, IEC 61730, Conformity to CE, Application Class A





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.

Made in China

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