

The new Q.PRIME-G5 is the result of the continued evolution of our monocrystalline solar modules. Thanks to improved power yield, excellent reliability and high-level operational safety, the new Q.PRIME-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 LEVELIZED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes and an efficiency rate of up to 18.0%.



# **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 warranty<sup>1</sup>.







See data sheet on rear for further information.

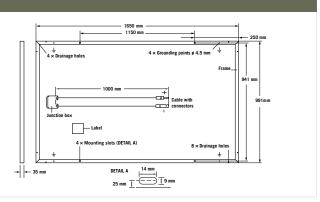
# THE IDEAL SOLUTION FOR:











EL	ECTRICAL CHARACTERIS	STICS						
POV	VER CLASS			270	275	280	285	290
MIN	IIMUM PERFORMANCE AT STAN	DARD TEST CONDITIONS, STC	1 (POWER TOLE	RANCE +5 W / -0 V	1)			
	Power at MPP <sup>2</sup>	P <sub>MPP</sub>	[W]	270	275	280	285	290
_ [	Short Circuit Current*	I <sub>sc</sub>	[A]	9.08	9.20	9.30	9.35	9.48
E I	Open Circuit Voltage*	V <sub>oc</sub>	[V]	37.8	38.0	38.1	38.3	38.5
Minimum	Current at MPP*	I <sub>MPP</sub>	[A]	8.63	8.74	8.84	8.94	9.04
_	Voltage at MPP*	$V_{\mathrm{MPP}}$	[V]	31.3	31.5	31.7	31.9	32.1
	Efficiency <sup>2</sup>	η	[%]	≥16.5	≥16.8	≥17.1	≥17.4	≥17.7
MIN	IIMUM PERFORMANCE AT NORN	NAL OPERATING CONDITIONS,	NOC3					
	Power at MPP <sup>2</sup>	P <sub>MPP</sub>	[W]	199	202	206	210	213
E	Short Circuit Current*	I <sub>sc</sub>	[A]	7.34	7.44	7.52	7.56	7.67
Minimum	Open Circuit Voltage*	V <sub>oc</sub>	[V]	35.5	35.6	35.7	35.9	36.1
Ξ	Current at MPP*	I <sub>MPP</sub>	[A]	6.90	6.99	7.06	7.14	7.22
	Voltage at MPP*	V <sub>MPP</sub>	[V]	28.8	29.0	29.2	29.3	29.5
1100	OW/m², 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, act	ual values may differ	

## Q CELLS PERFORMANCE WARRANTY

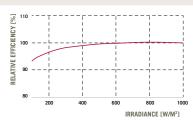
# 25 years. COMPARED TO organization of your respective country. 25 YEARS

At least 97.0 % of nominal power during first year. Thereafter max. 0.7%

degradation per year.
At least 90.7% of nominal power up to At least 81.5% of nominal power up to

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

### PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000 W/m²).

### TEMPERATURE COEFFICIENTS

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

PROPERTIES FOR SYSTEM DESIGN					
Maximum System Voltage	$\mathbf{V}_{sys}$	[ <b>V</b> ]	1000 (IEC), 1500 (IEC)	Safety Class	II
Maximum Reverse Current	I <sub>R</sub>	[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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