

### **MONOCRYSTALLINE SOLAR MODULE**

# Q.PEAK-G3 265-280

High performance. Reliability.

With up to 280 Wp, the new Q.PEAK-G3 is the champion of monocrystalline solar modules. 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 whatever the weather with excellent low-light and temperature behaviour
- Increased cell efficiency due to full-square monocrystalline cells.

#### **ENDURING 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.
- Increased flexibility due to MC4-intermateable connectors.

#### PROFIT-INCREASING GLASS TECHNOLOGY

 Reduction of light reflection by 50%, plus long-term corrosion resistance due to highquality »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 warranty<sup>2</sup>.



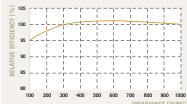
See data sheet on rear for further information.



<sup>&</sup>lt;sup>1</sup> APT test conditions: Cells at -1000 V against grounded, with conductive metal foil covered module surface, 25 °C, 168 h

## 10 15 20

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



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 <sub>sc</sub>	α	[%/K]	+0.04	Temperature Coefficient of V <sub>oc</sub>	β	[%/K]	-0.33
Temperature Coefficient of P <sub>MPP</sub>	γ	[%/K]	-0.42				

PROPERTIES FOR SYSTEM DESIGN							
Maximum System Voltage V <sub>sys</sub>	[ <b>V</b> ]	1000	Safety Class	II			
Maximum Reverse Current I <sub>R</sub>	[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			

#### **QUALIFICATIONS AND CERTIFICATES**

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





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**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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280

282.5

9.45

38.81

8.95

31.58

≥16.8

280

208.0

7.62

35.90

7.03

29 60