

The new Q.PRO-G4 is the result of the continued evolution of our Q.PRO family. Thanks to improved power yield, excellent reliability, and high-level operational safety, the new Q.PRO-G4 generates electricity at a low cost (LCOE) and is suitable for a wide range of applications.



LOW ELECTRICITY GENERATION COSTS

Higher yield per surface area and lower BOS costs thanks to higher power classes and an efficiency rate of up to 16.2 %.



INNOVATIVE ALL-WEATHER TECHNOLOGY

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



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti-PID Technology 1 , Hot-Spot-Protect and Traceable Quality Tra.Q $^{\text{TM}}$.



LIGHT-WEIGHT QUALITY FRAME

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



MAXIMUM COST REDUCTIONS

Up to 10 % lower logistics costs due to higher module capacity per box.



SAFE ELECTRONICS

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



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance guarantee².

THE IDEAL SOLUTION FOR:











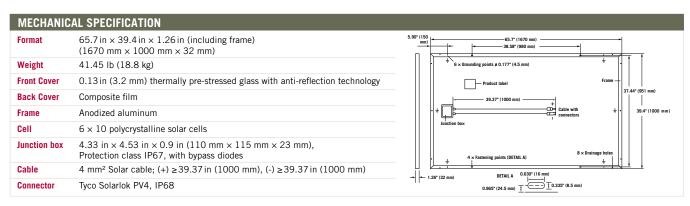






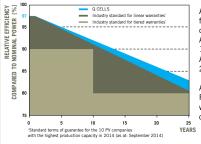
- APT test conditions: Cells at -1000V against grounded, with conductive metal foil covered module surface, 25 °C, 168 h
- See data sheet on rear for further information.





EL	ECTRICAL CHARACTERIS [*]	TICS						
P0\	VER CLASS			255	260	265		
MIN	MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5 W /- 0 W)							
Minimum	Power at MPP ²	P_{MPP}	[W]	255	260	265		
	Short Circuit Current*	I _{sc}	[A]	9.07	9.15	9.23		
	Open Circuit Voltage*	V _{oc}	[V]	37.54	37.77	38.01		
	Current at MPP*	I _{MPP}	[A]	8.45	8.53	8.62		
	Voltage at MPP*	V _{MPP}	[V]	30.18	30.46	30.75		
	Efficiency ²	η	[%]	≥15.3	≥15.6	≥15.9		
MIN	MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOC3							
	Power at MPP ²	P _{MPP}	[W]	188.3	192.0	195.7		
Ę	Short Circuit Current*	I _{sc}	[A]	7.31	7.38	7.44		
Minimum	Open Circuit Voltage*	V _{oc}	[V]	34.95	35.16	35.38		
	Current at MPP*	I _{MPP}	[A]	6.61	6.68	6.75		
	Voltage at MPP*	V_{MPP}	[V]	28.48	28.75	29.01		
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



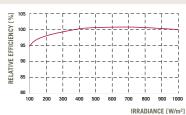
At least 97 % of nominal power during first year. Thereafter max. 0.6 % degradation per year

dation 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 Coefficient of P _{MPP}	γ	[%/K]		Normal Operating Cell Temperature	NOCT	[°F]	113 ± 5.4 (45 ± 3 °C)
Temperature Coefficient of I _{sc}	α	[%/ K]	+0.04	Temperature Coefficient of V _{oc}	ß	[%/ K]	-0.30
TEMPERATURE COEFFICIENTS							

PROPERTIES FOR SYSTEM DESIGN						
Maximum System Voltage \mathbf{V}_{SYS}	[V]	1000 (IEC) / 1000 (UL)	Safety Class	II		
Maximum Series Fuse Rating	[A DC]	20	Fire Rating	C / TYPE 1		
Max Load (UL) ²	[lbs/ft²]	75 (3600 Pa)	Permitted module temperature on continuous duty	-40°F up to +185°F (-40°C up to +85°C)		
Load Rating (UL) ²	[lbs/ft²]	55.6 (2666 Pa)	² see installation manual			

QUALIFICATIONS AND CERTIFICATES	PACKAGING INFORMATION	
UL 1703; VDE Quality Tested; CE-compliant;	Number of Modules per Pallet	32
IEC 61215 (Ed.2); IEC 61730 (Ed.1) application class A	Number of Pallets per 53' Container	32
	Number of Pallets per 40' Container	26
DYE US C Certified US UL 1703	Pallet Dimensions ($L \times W \times H$)	$68.7 \text{in} \times 45.0 \text{in} \times 46.0 \text{in}$ (1745 × 1145 × 1170 mm)
(254141)	Pallet Weight	1435 lbs (651 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.

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