

Solar Panel 575

Q.PEAK DUO XL-G11.7 575W High performance monocrystalline

Year Warranty

Features

- Breaking the 21 % efficiency barrier PERC Technology with zero gap cell layout boosts module efficiency up to 21.7 %.
- Low electricity generation costs Higher yield per surface area, lower BOS costs and up to 175 watts more module power than standard 144 half-cell modules.
- Enduring high performance Long-term yield security thanks to regular PID and Hot-Spot tests according to IEC requirements.
- · Extreme weather rating High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).
- A reliable investment Inclusive 12-year product warranty and 25-year linear performance warranty.

Aplicattions

- Educational Centers
- Industry
- Pig farm
- Residence
- Office
- Restaurant
- Gymnasium

























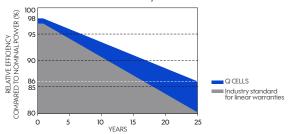


Q CELLS 460 W Specs

Packaging Information
Number of Modules per Pallet

Pallet Weight (kg)

Q CELLS Performance Warranty



At least 98 % of nominal power during first year. Thereafter max. 0.5 % degradation per year. At least 93.5 % of nominal power up to 10 years. At least 86 % of nominal power up to 25 years.

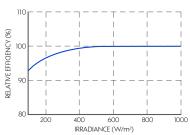
All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

NNumber of Pallets per 40' HC-Container (26 t)

Pallet Dimensions (L × W × H) (mm)

 $^{\star}\, Standard\, terms\, of\, guarantee\, for\, the\, 10\, PV\, companies\, with\, the\, highest\, production\, capacity\, in\, 2014\, (as\, at:\, September\, 2014)$

Performance at low Irradiance



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

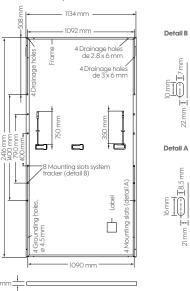
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16

1270 x 1134 x 245.8

1000

575 W Solar panel dimensions



Model	460 W Solar Panel

Model			460 W Solar Panel	
Mechanical Specifications				
Format (mm)			2416 × 1134 × 35 (including frame)	
Weight (kg)			30.70	
Front Cover			3.2 mm thermally pre-stressed glass with anti-reflection technology	
Back Cover			Composite film	
Frame			Anodised aluminium	
Cell			6 × 26 monocrystalline Q.ANTUM solar half cells	
Junction box			53-101 mm × 32-60 mm × 15-18 mm, Protection class IP67, with bypass diodes	
Cable			4 mm² Solar cable; (+) ≥ 1450 mm, (-) ≥ 1450 mm	
Connector			Stäubli MC4-Evo2, Hanwha Q CELLS HQC4; IP68	
Power Class				
MINIMUM PERFORMANCE AT STANDARD TEST CONDI	TIONS, STC	(POWER TOL	ERANCE +5 W / -0 W)	
Power at MPP ¹	PMPP	(W)	575	
Short Circuit Current ¹		. ,	13.51	
Open Circuit Voltage ¹	Voc	(V)	53.62	
Current at MPP	IMPP	(A)	12.87	
Voltage at MPP	VMPP	(V)	44.68	
Efficiency ¹	η	(%)	≥ 21.0	
MINIMUM PERFORMANCE AT NORMAL OPERATING CO		` '		
Power at MPP	PMPP	(W)	431.4	
Short Circuit Current		()	10.89	
Open Circuit Voltage	Voc	(V)	50,56	
Current at MPP	IMPP	(A)	10.13	
Voltage at MPP	VMPP	(V)	42.58	
Temperature Coefficients		· · /		
Temperature Coefficient of Isc	α	(%/K)	+0.04	
Temperature Coefficient of PMPP	у	(%/K)	-0.34	
Temperature Coefficient of Voc	β	(%/K)	- 0.27	
Nominal Module Operating Temperature	•	(° C)	43 ± 3	
Propiedades para el diseño del sistema		, ,	-	
Maximum System Voltage	Vsys	(V)	1500 (IEC) / 1500 (UL)	
Maximum Reverse Current		(A DC)	20	
Max. Design Load, Push / Pull		(lbs/ft²)	75 (3600 Pa) / 33 (1600 Pa)	
Max. Test Load, Push / Pull			113 (5400 Pa)/ 50 (2400 Pa)	
PV module classification		. ,		
Fire Rating based on ANSI / UL 1703			C/TIPO1	
Permitted Module Temperature on continuous duty			-40 ~ +85 °C	
Qualifications and Certificates				
Certificates			Complies with CE, IEC 61215:2016, IEC 61730:2016	