

# Q.MAXX-G4 SERIES



**400 - 410 Wp | 108 Cells**  
**21.4 % Maximum Module Efficiency**

MODEL Q.MAXX-G4



## A reliable investment

Inclusive 15-year product warranty and 25-year linear performance warranty<sup>1</sup>.



## Enduring high performance

Long-term yield security with Anti LeTID Technology and Hot-Spot Protect.



## The most thorough testing programme in the industry

Qcells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.



## More suitable size for residential installation.

More suitable length for residential installation with its length less than 1700 mm, Q.MAXX-G4 provides with easier system designs and installations.



## Breaking the 21% efficiency barrier

Q.ANTUM DUO Z technology with zero gap cell layout boosts module efficiency up to 21.4%.



## Extreme weather rating

High-tech aluminium alloy frame, certified for high snow (8100 Pa) and wind loads (4000 Pa).



## Innovative all-weather technology

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

<sup>1</sup> See data sheet on rear for further information.

### The ideal solution for:



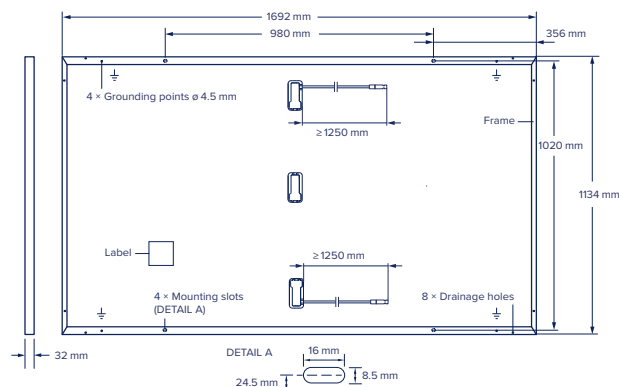
Rooftop arrays on residential buildings



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## Mechanical Specification

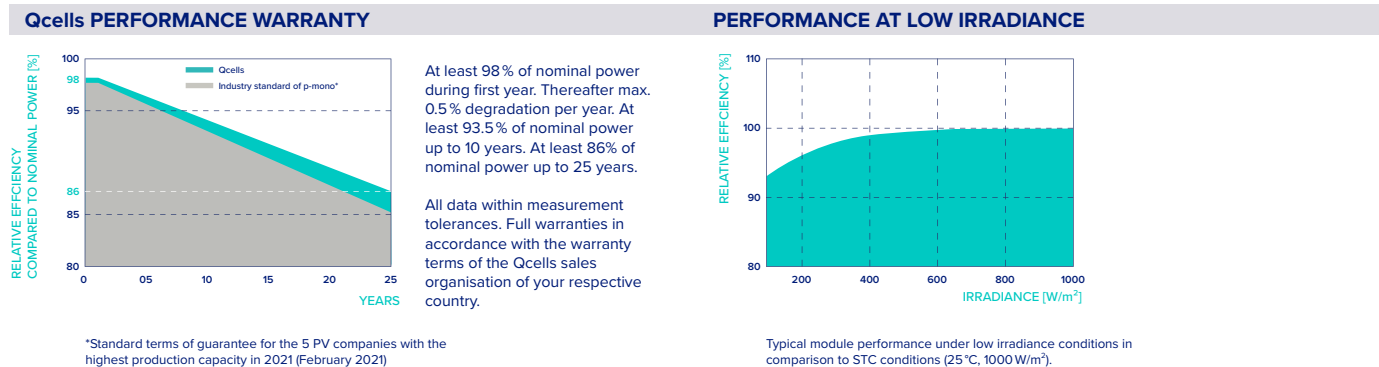
Format	1692 mm × 1134 mm × 32 mm (including frame)
Weight	20.9 kg
Front Cover	3.2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 18 monocrystalline Q.ANTUM solar half cells
Junction box	53-101 mm × 32-60 mm × 15-18 mm Protection class IP67, with bypass diodes
Cable	4 mm <sup>2</sup> Solar cable; (+) ≥1250 mm, (-) ≥1250 mm
Connector	Stäubli MC4, Hanwha Q CELLS HQC4; IP68



## Electrical Characteristics

POWER CLASS				400	410
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC <sup>1</sup> (POWER TOLERANCE +5 W/-5 W)					
Minimum	Power at MPP <sup>1</sup>	P <sub>MPP</sub>	[W]	400	410
	Short Circuit Current <sup>1</sup>	I <sub>SC</sub>	[A]	13.54	13.61
	Open Circuit Voltage <sup>1</sup>	V <sub>OC</sub>	[V]	37.16	37.21
	Current at MPP	I <sub>MPP</sub>	[A]	12.90	13.04
	Voltage at MPP	V <sub>MPP</sub>	[V]	31.00	31.43
	Efficiency <sup>1</sup>	η	[%]	≥ 20.8	≥ 21.4
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT <sup>2</sup>					
Minimum	Power at MPP	P <sub>MPP</sub>	[W]	300.1	307.6
	Short Circuit Current	I <sub>SC</sub>	[A]	10.91	10.97
	Open Circuit Voltage	V <sub>OC</sub>	[V]	35.04	35.09
	Current at MPP	I <sub>MPP</sub>	[A]	10.16	10.28
	Voltage at MPP	V <sub>MPP</sub>	[V]	29.54	29.91

<sup>1</sup>Measurement tolerances P<sub>MPP</sub> ±3%; I<sub>SC</sub>, V<sub>OC</sub> ±5% at STC: 1000 W/m<sup>2</sup>, 25 ±2 °C, AM 1.5 according to IEC 60904-3 • <sup>2</sup>800 W/m<sup>2</sup>, NMOT, spectrum AM 1.5



TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I <sub>SC</sub>	α	[%/K]	+0.04	Temperature Coefficient of V <sub>OC</sub>	β	[%/K]	−0.27
Temperature Coefficient of P <sub>MPP</sub>	γ	[%/K]	−0.34	Nominal Module Operating Temperature	NMOT	[°C]	43±3

## Properties for System Design

Maximum System Voltage	V <sub>sys</sub>	[V]	1000	PV module classification	Class II
Maximum Reverse Current	I <sub>R</sub>	[A]	25	Fire Rating based on ANSI/UL 61730	C/TYPE 2
Max. Design Load, Push/Pull	[Pa]	5400/2660		Permitted Module Temperature on Continuous Duty	-40 °C - +85 °C
Max. Test Load, Push/Pull	[Pa]	8100/4000			

## Qualifications and Certificates

Quality Controlled PV -  
TÜV Rheinland;  
IEC 61215:2016;  
IEC 61730:2016.  
This data sheet complies  
with DIN EN 50380.



Made in China

## Packaging Information

1734 mm	1120 mm	1166 mm	727 kg	30 pallets	26 pallets	33 modules
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Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.

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