



# Q.ANTUM Q.PEAK DUO 395W SOLAR PANELS

Q.PEAK DUO L-G7.2 395

Powered by 144 monocrystalline solar half-cells, Q.PEAK DUO L-G7.2 395W is designed for large power plants to reduce the Balance Of System (BOS) costs.

Q Cells offers German engineering quality with unique Yield Security.



**Q CELLS**  
YIELD SECURITY

- ✓ ANTI PID TECHNOLOGY (APT)
- ✓ HOT-SPOT PROTECT (HSP)
- ✓ TRACEABLE QUALITY (TRA.Q™)
- ✓ ANTI LID TECHNOLOGY (ALT)



**Q CELLS**



**Q.ANTUM TECHNOLOGY  
FOR HIGHER YIELD  
PER SURFACE AREA**

## HOW YOU BENEFIT

[sinargadinglks.com](http://sinargadinglks.com)



### INNOVATIVE

Innovative all-weather technology with excellent low-light and temperature behaviour.



### HIGH PERFORMANCE

Long-term yield security with anti-LID and anti-PID Technology<sup>^</sup>, Hot-Spot Protect and Traceable Quality Tra.Q™.



### EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high wind loads (2400 Pa).



### LEASING OPTIONS

Solahart offers a range of competitive leasing options.

## Technical Data

MODEL		Q.ANTUM Q.PEAK DUO L-G7.2 - 395W SOLAR PANEL
Mechanical Data		sinargadinglks.com
Dimensions (H x W x D)	2015 x 1000 x 35 mm	
Weight	23.5 Kg	
Front Cover	3.2 mm thermally pre-stressed glass with anti-reflection technology	
Back Cover	Composite film	
Frame	Anodised Aluminium	
Cell	6 x 24 monocrystalline Q.ANTUM solar half-cells	
Junction Box	Protection class $\geq$ IP67, with bypass diodes	
Cable	4 mm <sup>2</sup> solar cable; (+) $\geq$ 1350 mm, $\geq$ (-) 1350 mm	
Connector	MC4-EVO 2, IP68	

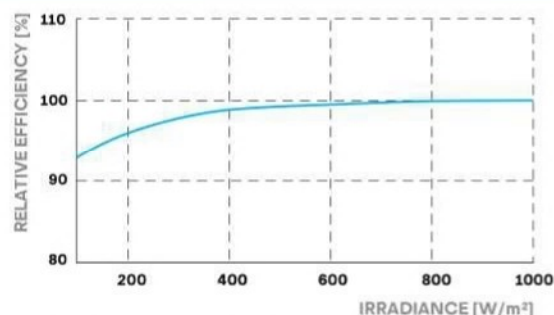
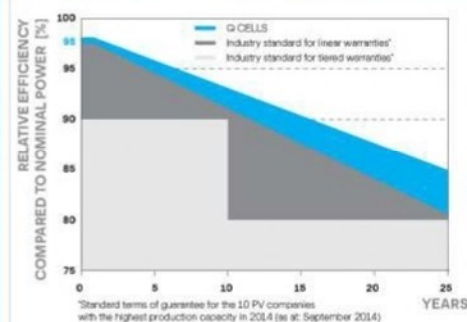
### Electrical Data

Minimum performance at standard test conditions, STC <sup>(1)</sup> (Power Tolerance +5 W / -0 W)		Minimum performance at normal module operating temperature, NMOT <sup>(2)</sup>	
Power at MPP <sup>(3)</sup> - P <sub>MPP</sub>	395 Wp	Power at MPP - P <sub>MPP</sub>	295.8 Wp
Short circuit current <sup>(4)</sup> - I <sub>sc</sub>	10.14 A	Short circuit current <sup>(4)</sup> - I <sub>sc</sub>	8.17 A
Open circuit voltage <sup>(4)</sup> - V <sub>oc</sub>	48.70 V	Open circuit voltage <sup>(4)</sup> - V <sub>oc</sub>	45.92 V
Current at MPP <sup>(3)</sup> - I <sub>MPP</sub>	9.66 A	Current at MPP <sup>(3)</sup> - I <sub>MPP</sub>	7.60 A
Voltage at MPP <sup>(3)</sup> - V <sub>MPP</sub>	40.90 V	Voltage at MPP <sup>(3)</sup> - V <sub>MPP</sub>	38.92 V
Efficiency - $\eta$	$\geq 19.6\%$		

<sup>(1)</sup> 1000 W/m<sup>2</sup>, 25 $\pm$ 2°C, spectrum AM 1.5 <sup>(2)</sup> Measurement tolerances at STC P<sub>MPP</sub>  $\pm$ 3%; I<sub>sc</sub>, V<sub>oc</sub>  $\pm$ 5% <sup>(3)</sup> 800W/m<sup>2</sup>, NMOT, spectrum AM 1.5 <sup>(4)</sup> Typical values, actual values may differ.

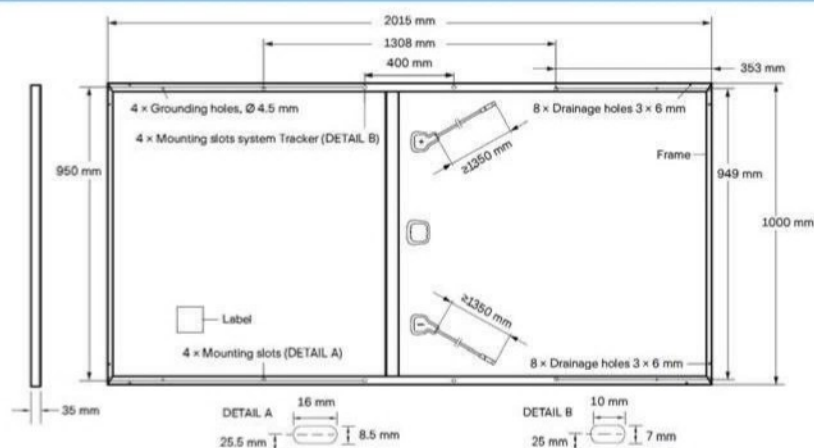
Temperature Coefficients		Properties for System Design	
Nominal module operating temperature (NMOT)	43 $\pm$ 3°C	Permitted module temperature on continuous duty	-40°C up to +85°C
Temperature coefficient of P <sub>MPP</sub> - $\gamma$	-0.35 % / °C	Maximum system voltage - V <sub>SYS</sub>	1500 V (IEC), 1500 V (UL)
Temperature coefficient of V <sub>oc</sub> - $\beta$	-0.27 % / °C	Maximum reverse current - I <sub>R</sub>	20 A
Temperature coefficient of I <sub>sc</sub> - $\alpha$	+0.04 % / °C	Wind/snow load (in accordance with IEC 61215)	2400 / 5400 Pa
Product Warranty		Safety class	II
Solahart Warranty*	5 Years	Fire rating	C / Type 1
Manufacturer's Warranty	12 Years	Qualifications and Certificates	
Country of Manufacture	China	IEC 61215:2016; IEC 61730:2016, Application class II.	

### Manufacturer's Performance Guarantee



Typical panel performance under low irradiance conditions in comparison to STC conditions (25°C, 1000 W/m<sup>2</sup>).

### Dimensions - Measurements in mm



\*For full details see Solahart Owner's Guide & Installation Instructions. <sup>(1)</sup> APT test conditions according to IEC/TS 62804-1:2015, method B (-1500 V, 168 h).