

# Q.PEAK DUO BLK-G6

## 330-345

**ENDURING HIGH PERFORMANCE**



### Q.ANTUM TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.5%.



### INNOVATIVE ALL-WEATHER TECHNOLOGY

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



### ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology<sup>1</sup>, Hot-Spot Protect and Traceable Quality Tra.Q<sup>TM</sup>.



### EXTREME WEATHER RATING

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



### A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty<sup>2</sup>.



### STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

<sup>1</sup> APT test conditions according to IEC/TS 62804-1:2015, method B (-1500V, 188h)

<sup>2</sup> See data sheet on rear for further information.

**Engineered in Germany**

THE IDEAL SOLUTION FOR:

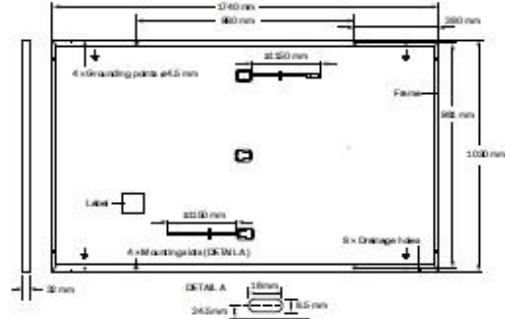


Rooftop arrays on residential buildings

# getlithium.com

**MECHANICAL SPECIFICATION**

Format	1740mm x 1030mm x 32mm (including frame)
Weight	19.9kg
Front Cover	3.2mm thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 x 20 monocrystalline Q.ANTUM solar half cells
Junction box	53-101 mm x 32-60 mm x 15-18 mm Protection class IP67, with bypass diodes
Cable	4mm <sup>2</sup> Solar cable; (+) ≥ 1150mm, (-) ≥ 1150mm
Connector	Stäubli MC4, Amphenol UTX, Renhe DS-6, Tongling TL-Cable01S, JMTHY JM601, IP68 or Friends PV2e; IP67



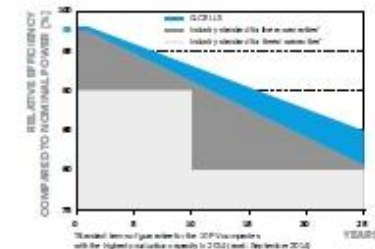
**ELECTRICAL CHARACTERISTICS**

POWER CLASS		330	335	340	345	
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC* (POWER TOLERANCE +5W / -0W)						
Minimum	Power at MPP <sup>1</sup>	P <sub>MPP</sub> [W]	330	335	340	345
	Short Circuit Current <sup>2</sup>	I <sub>SC</sub> [A]	10.41	10.47	10.52	10.58
	Open Circuit Voltage <sup>3</sup>	V <sub>OC</sub> [V]	40.15	40.41	40.66	40.92
	Current at MPP	I <sub>MPP</sub> [A]	9.91	9.97	10.02	10.07
	Voltage at MPP	V <sub>MPP</sub> [V]	33.29	33.62	33.94	34.25
	Efficiency <sup>4</sup>	η [%]	≥ 18.4	≥ 18.7	≥ 19.0	≥ 19.3
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT <sup>5</sup>						
Minimum	Power at MPP	P <sub>MPP</sub> [W]	247.0	250.7	254.5	258.2
	Short Circuit Current	I <sub>SC</sub> [A]	8.39	8.43	8.48	8.52
	Open Circuit Voltage	V <sub>OC</sub> [V]	37.86	38.10	38.34	38.59
	Current at MPP	I <sub>MPP</sub> [A]	7.80	7.84	7.89	7.93
	Voltage at MPP	V <sub>MPP</sub> [V]	31.66	31.97	32.27	32.57

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

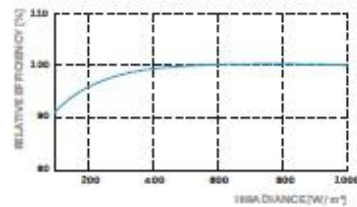
**Q CELLS PERFORMANCE WARRANTY**

**PERFORMANCE AT LOW IRRADIANCE**



At least 98% of nominal power during first year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% 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.



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

**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]	-0.36	Normal Module Operating Temperature	NMOT	[°C]	43 ± 3

**PROPERTIES FOR SYSTEM DESIGN**

Maximum System Voltage	V <sub>sys</sub> [V]	1000	Safety Class	II
Maximum Reverse Current	I <sub>r</sub> [A]	20	Fire Rating	C
Max. Design Load, Push/Pull	[Pa]	3600/2657	Permitted Module Temperature on Continuous Duty	-40°C - +85°C
Max. Test Load, Push/Pull	[Pa]	5400/4000		

**QUALIFICATIONS AND CERTIFICATES**

VDE Quality Tested, IEC 61215:2016; IEC 61730:2016, Application Class II;  
 This data sheet complies with DIN EN 50380.



**PACKAGING INFORMATION**

Number of Modules per Pallet	32
Number of Pallets per Trailer (24t)	28
Number of Pallets per 40' HC-Container (26t)	24
Pallet Dimensions (L x W x H)	1815 x 1150 x 1190mm
Pallet Weight	683kg

**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.

**PINNACLE INNOVATIONS**

**Lithionics Battery Supply Canada/ Elco Motor Yachts**

**19885 44 Ave., Langley, BC, CANADA V3A 3E3**

**Phone: 604-510-0800 Cell: 604-818-9274**

**Website: [www.getlithium.com](http://www.getlithium.com) Email: [siteinfo@shaw.ca](mailto:siteinfo@shaw.ca)**

---