

# Q.PEAK DUO BLK-G9 325-345

ENDURING HIGH PERFORMANCE









# BREAKING THE 20% EFFICIENCY BARRIER

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.3%.



#### 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 Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



#### **EXTREME WEATHER RATING**

High-tech aluminium alloy frame, certified for high snow (6000 Pa) and wind loads (4000 Pa).



## A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty  $^2$ .



# STATE OF THE ART MODULE TECHNOLOGY

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

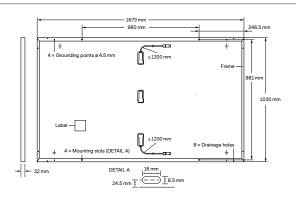
## THE IDEAL SOLUTION FOR:





 $<sup>^{\</sup>rm 1}$  APT test conditions according to IEC/TS 62804-1:2015, method B (–1500 V, 168 h)

 $<sup>^{\</sup>rm 2}$  See data sheet on rear for further information.



#### **ELECTRICAL CHARACTERISTICS**

PO	WER CLASS			325	330	335	340	345
MIN	IIMUM PERFORMANCE AT STANDA	RD TEST CONDITIO	NS, STC1 (PC	OWER TOLERANCE	+5W/-0W)			
Minimum	Power at MPP¹	P <sub>MPP</sub>	[W]	325	330	335	340	345
	Short Circuit Current <sup>1</sup>	I <sub>sc</sub>	[A]	10.36	10.39	10.43	10.46	10.49
	Open Circuit Voltage <sup>1</sup>	V <sub>oc</sub>	[V]	40.80	40.84	40.87	40.91	40.94
	Current at MPP	I <sub>MPP</sub>	[A]	9.78	9.84	9.91	9.97	10.03
	Voltage at MPP	V <sub>MPP</sub>	[V]	33.23	33.53	33.81	34.10	34.38
	Efficiency <sup>1</sup>	η	[%]	≥18.9	≥19.2	≥19.4	≥19.7	≥20.0
MIN	IIMUM PERFORMANCE AT NORMAL	OPERATING CON	DITIONS, NIV	IOT <sup>2</sup>				
Minimum	Power at MPP	P <sub>MPP</sub>	[W]	243.4	247.1	250.9	254.6	258.4
	Short Circuit Current	I <sub>sc</sub>	[A]	8.35	8.37	8.40	8.43	8.46
	Open Circuit Voltage	V <sub>oc</sub>	[V]	38.47	38.51	38.54	38.58	38.61
	Current at MPP	I <sub>MPP</sub>	[A]	7.68	7.74	7.79	7.85	7.91
	Voltage at MPP	V <sub>MPP</sub>	[V]	31.69	31.94	32.19	32.43	32.67

¹Measurement tolerances P<sub>MPP</sub> ±3%; I<sub>SC</sub>; V<sub>DC</sub> ±5% at STC: 1000 W/m², 25±2°C, AM 1.5 according to IEC 60904-3 • ²800 W/m², NMOT, spectrum AM 1.5

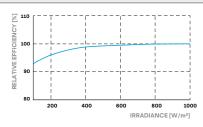
#### Q CELLS PERFORMANCE WARRANTY

# ARED TO

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.

#### PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I <sub>SC</sub>	α	[%/K]	+0.04	Temperature Coefficient of Voc	β	[%/K]	-0.27
Temperature Coefficient of P <sub>MPP</sub>	γ	[%/K]	-0.35	Nominal Module Operating Temperature	NMOT	[°C]	43±3

#### PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	$V_{\text{SYS}}$	[V]	1000	PV module classification	Class II
Maximum Reverse Current	I <sub>R</sub>	[A]	20	Fire Rating based on ANSI/UL 61730	C/TYPE 2
Max. Design Load, Push / Pull		[Pa]	4000/2660	Permitted Module Temperature	-40°C - +85°C
Max. Test Load, Push / Pull		[Pa]	6000/4000	on Continuous Duty	

#### **QUALIFICATIONS AND CERTIFICATES**

IEC 61730:2016. This data sheet complies with DIN EN 50380.











601kg

**PACKAGING INFORMATION** 







26 pallets 32 modules

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

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Vertical

packaging

