

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 25-year product warranty and 25-year linear performance warranty².



STATE OF THE ART MODULE TECHNOLOGY

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

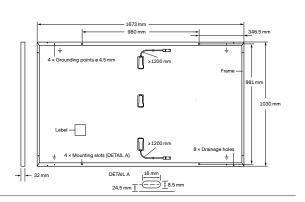
THE IDEAL SOLUTION FOR:





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

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



ELECTRICAL CHARACTERISTICS

WER CLASS			325	330	335	340	345
IIMUM PERFORMANCE AT STANDAI	RD TEST CONDITIO	NS, STC1 (PC	OWER TOLERANCE	+5W/-0W)			
Power at MPP¹	P _{MPP}	[W]	325	330	335	340	345
Short Circuit Current ¹	I _{sc}	[A]	10.36	10.39	10.43	10.46	10.49
Open Circuit Voltage ¹	V _{oc}	[V]	40.80	40.84	40.87	40.91	40.94
Current at MPP	I _{MPP}	[A]	9.78	9.84	9.91	9.97	10.03
Voltage at MPP	V _{MPP}	[V]	33.23	33.53	33.81	34.10	34.38
Efficiency ¹	η	[%]	≥18.9	≥19.2	≥19.4	≥19.7	≥20.0
IIMUM PERFORMANCE AT NORMAL	OPERATING CONE	DITIONS, NM	OT ²				
Power at MPP	P _{MPP}	[W]	243.4	247.1	250.9	254.6	258.4
Short Circuit Current	I _{sc}	[A]	8.35	8.37	8.40	8.43	8.46
Open Circuit Voltage	V _{oc}	[V]	38.47	38.51	38.54	38.58	38.61
Current at MPP	I _{MPP}	[A]	7.68	7.74	7.79	7.85	7.91
Voltage at MPP	V _{MPP}	[V]	31.69	31.94	32.19	32.43	32.67
	Power at MPP¹ Short Circuit Current¹ Open Circuit Voltage¹ Current at MPP Voltage at MPP Efficiency¹ IIMUM PERFORMANCE AT NORMAL Power at MPP Short Circuit Current Open Circuit Voltage Current at MPP	IMUM PERFORMANCE AT STANDARD TEST CONDITION	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	IIIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE Power at MPP¹ P_{MPP} [W] 325 Short Circuit Current¹ I_{SC} [A] 10.36 Open Circuit Voltage¹ V_{OC} [V] 40.80 Current at MPP I_{MPP} [A] 9.78 Voltage at MPP V_{MPP} [V] 33.23 Efficiency¹ η [%] ≥18.9 IIIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT² Power at MPP P_{MPP} [W] 243.4 Short Circuit Current I_{SC} [A] 8.35 Open Circuit Voltage V_{OC} [V] 38.47 Current at MPP I_{MPP} [A] 7.68	Number Number	Number Number	Note of the process of the proces

 $^1\text{Measurement tolerances P}_{\text{MFP}} \pm 3\%; I_{\text{SC}}; V_{\text{OC}} \pm 5\% \text{ at STC}; 1000 \text{ W/m}^2, 25 \pm 2\text{ °C}, \text{AM } 1.5 \text{ according to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ NMOT, spectrum AM } 1.5 \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ According to IEC } 60904 - 3 \cdot ^2800 \text{ W/m}^2, \text{ Acc$

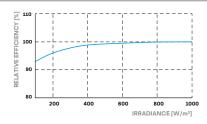
Q CELLS PERFORMANCE WARRANTY

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 _{SC}	α	[%/K]	+0.04	Temperature Coefficient of Voc	β	[%/K]	-0.27
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.35	Nominal Module Operating Temperature	NMOT	[°C]	43±3

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{SYS}	[V]	1000	PV module classification	Class II
Maximum Reverse Current	I _R	[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.





1724 mm	1130 mm	1200mm







601 kg

PACKAGING INFORMATION



30 pallets



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

