

Q.PEAK DUO BLK-G9+ 335-350

ENDURING HIGH PERFORMANCE



Quality Controlled PV

www.tuv.com ID 1111232615













BREAKING THE 20% EFFICIENCY BARRIER

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.6%.



THE MOST THOROUGH TESTING PROGRAMME IN THE INDUSTRY

Q CELLS 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.



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 (6000Pa) and wind loads (4000Pa).



A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty 2 .

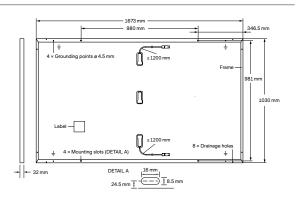
THE IDEAL SOLUTION FOR:





 $^{^{\}rm 1}$ APT test conditions according to IEC /TS 62804-1:2015, method A (–1500 V, 96 h)

² See data sheet on rear for further information.



ELECTRICAL CHARACTERISTICS

PO	VER CLASS			335	340	345	350
MIN	IIMUM PERFORMANCE AT STANDAR	D TEST CONDITIO	NS, STC1 (POWER TOLERANCE +5 W /	-0W)		
Minimum	Power at MPP¹	P _{MPP}	[W]	335	340	345	350
	Short Circuit Current ¹	I _{sc}	[A]	10.43	10.46	10.49	10.53
	Open Circuit Voltage ¹	V _{oc}	[V]	40.87	40.91	40.94	40.98
	Current at MPP	I _{MPP}	[A]	9.91	9.97	10.03	10.10
	Voltage at MPP	V_{MPP}	[V]	33.81	34.10	34.38	34.66
	Efficiency ¹	η	[%]	≥19.4	≥19.7	≥20.0	≥20.3
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ²							
Minimum	Power at MPP	P _{MPP}	[W]	250.9	254.6	258.4	262.1
	Short Circuit Current	I _{sc}	[A]	8.40	8.43	8.46	8.48
	Open Circuit Voltage	V _{oc}	[V]	38.54	38.58	38.61	38.65
	Current at MPP	I _{MPP}	[A]	7.79	7.85	7.91	7.96
	Voltage at MPP	V _{MPP}	[V]	32.19	32.43	32.67	32.91

Measurement tolerances P_{MPP} ±3%; I_{SC}; V_{DC} ±5% at STC: 1000W/m², 25±2°C, AM 1.5 according to IEC 60904-3 • 2800 W/m², NMOT, spectrum AM 1.5

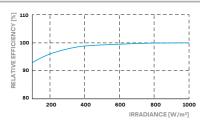
Q CELLS PERFORMANCE WARRANTY

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 _{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

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







1724mm 1130mm 1200mm



PACKAGING INFORMATION





30 pallets





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

