

Q.PEAK DUO BLK-G6+ 330-345

ENDURING HIGH PERFORMANCE



QCELLS













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



EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 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.

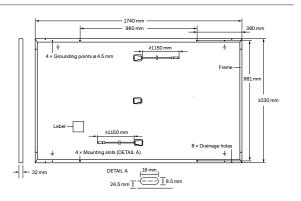
THE IDEAL SOLUTION FOR:





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

² See data sheet on rear for further information.



ELECTRICAL CHARACTERISTICS

WER CLASS			330	335	340	345
IIMUM PERFORMANCE AT STANDA	RD TEST CONDITIO	NS, STC1 (PC	WER TOLERANCE +5 W /	-0W)		
Power at MPP¹	P _{MPP}	[W]	330	335	340	345
Short Circuit Current ¹	I _{sc}	[A]	10.41	10.47	10.52	10.58
Open Circuit Voltage ¹	V _{oc}	[V]	40.15	40.41	40.66	40.92
Current at MPP	I _{MPP}	[A]	9.91	9.97	10.02	10.07
Voltage at MPP	V_{MPP}	[V]	33.29	33.62	33.94	34.25
Efficiency ¹	η	[%]	≥18.4	≥18.7	≥19.0	≥19.3
IIMUM PERFORMANCE AT NORMAL	OPERATING CONE	DITIONS, NM	OT ²			
Power at MPP	P _{MPP}	[W]	247.0	250.7	254.5	258.2
Short Circuit Current	I _{sc}	[A]	8.39	8.43	8.48	8.52
Open Circuit Voltage	V _{oc}	[V]	37.86	38.10	38.34	38.59
Current at MPP	I _{MPP}	[A]	7.80	7.84	7.89	7.93
Voltage at MPP	V _{MPP}	[V]	31.66	31.97	32.27	32.57
	Power at MPP¹ Short Circuit Current¹ Open Circuit Voltage¹ Current at MPP Voltage at MPP Efficiency¹ SIMUM PERFORMANCE AT NORMAL Power at MPP Short Circuit Current Open Circuit Voltage Current at MPP	NIMUM PERFORMANCE AT STANDARD TEST CONDITIO Power at MPP¹ P _{MPP} Short Circuit Current¹ I _{SC} Open Circuit Voltage¹ V _{OC} Current at MPP I _{MPP} Voltage at MPP V _{MPP} Efficiency¹ NIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS Power at MPP P _{MPP} Short Circuit Current I _{SC} Open Circuit Voltage V _{OC} Current at MPP I _{MPP}	Power at MPP Power at MPP Power MPP Po	NIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5 W / Power at MPP¹	NIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5 W / -0 W) Power at MPP¹ P _{MPP} [W] 330 335 Short Circuit Current¹ I _{SC} [A] 10.41 10.47 Open Circuit Voltage¹ V _{OC} [V] 40.15 40.41 Current at MPP I _{MPP} [A] 9.91 9.97 Voltage at MPP V _{MPP} [V] 33.29 33.62 Efficiency¹ η [%] ≥18.4 ≥18.7 NIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT² Power at MPP P _{MPP} [W] 247.0 250.7 Short Circuit Current I _{SC} [A] 8.39 8.43 Open Circuit Voltage V _{OC} [V] 37.86 38.10 Current at MPP I _{MPP} [A] 7.80 7.84	NIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5 W / −0 W)

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

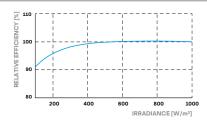
Q CELLS PERFORMANCE WARRANTY

DOUGH BE Standard terms of plumenter for the 10 PV companies with the highest production capacity in 2014 September 2014)

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.

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

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	$V_{\scriptsize SYS}$	[V]	1000	Safety Class	II
Maximum Reverse Current	I _R	[A]	20	Fire Rating based on ANSI/UL 1703	С
Max. Design Load, Push / Pull		[Pa]	3600/2667	Permitted Module Temperature	-40°C - +85°C
Max. Test Load, Push / Pull		[Pa]	5400/4000	on Continuous Duty	

QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

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





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 × W × H)	1815 × 1150 × 1220 mm
Pallet Weight	683 kg

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.

Hanwha Q CELLS GmbH

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