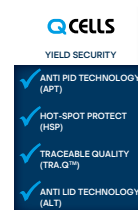


Q.PEAK DUO BLK-G6+

330-345

ENDURING HIGH
PERFORMANCE



Q.ANTUM TECHNOLOGY: LOW LEVELIZED 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 behavior.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID and Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING

High-tech aluminum 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.

¹ APT test conditions according to IEC/TS 62804-1:2015, method B (-1500 V, 168h)

² See data sheet on rear for further information



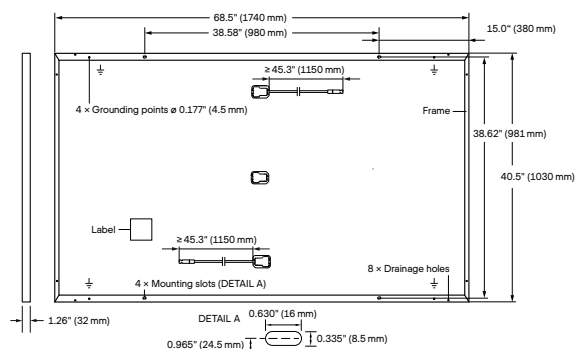
THE IDEAL SOLUTION FOR:



Rooftop arrays on
residential buildings

MECHANICAL SPECIFICATION

| | |
|--------------|---|
| Format | 68.5 × 40.6 × 1.26 in (including frame) (1740 × 1030 × 32 mm) |
| Weight | 43.9 lbs (19.9 kg) |
| Front Cover | 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology |
| Back Cover | Composite film |
| Frame | Black anodized aluminum |
| Cell | 6 × 20 monocrystalline Q.ANTUM solar half cells |
| Junction Box | 2.09-3.98 × 1.26-2.36 × 0.59-0.71 in (53-101 × 32-60 × 15-18 mm), Protection class IP67, with bypass diodes |
| Cable | 4 mm ² Solar cable; (+) ≥ 45.3 in (1150 mm), (-) ≥ 45.3 in (1150 mm) |
| Connector | Stäubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX, Renhe 05-6, Tongling TL-Cable01S, JMTHY JM601; IP68 or Friends PV2e; IP67 |

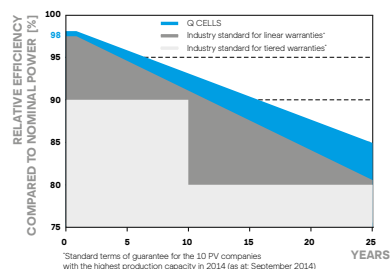


ELECTRICAL CHARACTERISTICS

| POWER CLASS | | 330 | 335 | 340 | 345 |
|---|------------------------------------|----------------------|--------|--------|--------|
| MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC ¹ (POWER TOLERANCE +5 W / -0 W) | | | | | |
| Minimum | Power at MPP ¹ | P _{MPP} [W] | 330 | 335 | 340 |
| | Short Circuit Current ¹ | I _{SC} [A] | 10.41 | 10.47 | 10.52 |
| | Open Circuit Voltage ¹ | V _{OC} [V] | 40.15 | 40.41 | 40.66 |
| | Current at MPP | I _{MPP} [A] | 9.91 | 9.97 | 10.02 |
| | Voltage at MPP | V _{MPP} [V] | 33.29 | 33.62 | 33.94 |
| | Efficiency ¹ | η [%] | ≥ 18.4 | ≥ 18.7 | ≥ 19.0 |
| MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ² | | | | | |
| Minimum | Power at MPP | P _{MPP} [W] | 247.0 | 250.7 | 254.5 |
| | Short Circuit Current | I _{SC} [A] | 8.39 | 8.43 | 8.48 |
| | Open Circuit Voltage | V _{OC} [V] | 37.86 | 38.10 | 38.34 |
| | Current at MPP | I _{MPP} [A] | 7.80 | 7.84 | 7.89 |
| | Voltage at MPP | V _{MPP} [V] | 31.66 | 31.97 | 32.27 |

¹Measurement tolerances P_{MPP} ± 3%; I_{SC}; V_{OC} ± 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

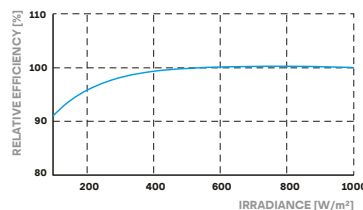
Q CELLS PERFORMANCE WARRANTY



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 organization 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 V _{OC} | β [%/K] | -0.27 |
| Temperature Coefficient of P _{MPP} | γ [%/K] | -0.36 | Normal Module Operating Temperature | NMOT [°F] | 109 ± 5.4 (43 ± 3 °C) |

PROPERTIES FOR SYSTEM DESIGN

| | | | | |
|--|--------------------------|------------------------------|---|---|
| Maximum System Voltage V _{sys} | [V] | 1000 (IEC)/1000 (UL) | Safety Class | II |
| Maximum Series Fuse Rating | [A DC] | 20 | Fire Rating based on ANSI / UL 1703 | C (IEC)/TYPE 2 (UL) |
| Max. Design Load, Push / Pull ³ | [lbs / ft ²] | 75 (3600 Pa) / 55 (2667 Pa) | Permitted Module Temperature on Continuous Duty | -40 °F up to +185 °F (-40 °C up to +85 °C) |
| Max. Test Load, Push / Pull ³ | [lbs / ft ²] | 113 (5400 Pa) / 84 (4000 Pa) | | |

³ See Installation Manual

QUALIFICATIONS AND CERTIFICATES

UL 1703, VDE Quality Tested, CE-compliant, IEC 61215:2016, IEC 61730:2016, Application Class II, U.S. Patent No. 9,893,215 (solar cells)



PACKAGING INFORMATION

| | |
|--|---|
| Number of Modules per Pallet | 32 |
| Number of Pallets per 53' Trailer | 28 |
| Number of Pallets per 40' HC-Container | 24 |
| Pallet Dimensions (L × W × H) | 71.5 × 45.3 × 48.0 in (1815 × 1150 × 1220 mm) |
| Pallet Weight | 1505 lbs (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 America Inc.

400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | **TEL** +1 949 748 59 96 | **EMAIL** inquiry@us.q-cells.com | **WEB** www.q-cells.us