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 Technology\(^1\), 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) regarding IEC.

A RELIABLE INVESTMENT
Inclusive 12-year product warranty and 25-year linear performance guarantee\(^2\).

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, 168 h)

\(^2\) See data sheet on rear for further information

THE IDEAL SOLUTION FOR:
Rooftop arrays on residential buildings

Engineered in Germany
Format 68.5 x 40.6 x 1.26 in (including frame) (1740 x 1030 x 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 x 20 monocrystalline Q.ANTUM solar half cells
Junction Box 2.09-3.98 x 1.26-2.36 x 0.59-0.71 in (53-101 x 32-60 x 18-16 mm), Protection class IP67, with bypass diodes
Cable 4 mm² Solar cable, (+) ≥ 45.3 in (1150 mm), (−) ≥ 45.3 in (1150 mm)
Connector Stäubli MC4, Amphenol UTX, Renhe 05-6, Tongling TL-Cable01S, JMTHY JM601, IP68 or Friends PV2e, IP67

*Measurement tolerances
PMPP ± 3 %; ISC; V OC ± 5 % at STC: 1000 W/m², 25 ± 2 °C, AM 1.5 G according to IEC 60904-3

**800 W/m², NMOT, spectrum AM 1.5 G

Minimum System Voltage
V MPP  V OC  ISC
330  335  340  345
328.4 330.7 333.0 335.3

Power at MPP
P MPP  [W] 330  335  340  345
247.0 250.7 254.5 258.2

Efficiency
η [%] ≥ 18.4 ≥ 18.7 ≥ 19.0 ≥ 19.3

Minimum Performance at Standard Test Conditions, STC (Power Tolerance +5 W / −0 W)

Power at MPP
P MPP  [W] 330  335  340  345
250.7 253.0 256.8 260.5

Short Circuit Current
I SC  [A] 330  335  340  345
8.39 8.43 8.48 8.52

Open Circuit Voltage
V OC  [V] 330  335  340  345
40.15 40.41 40.66 40.92

Current at MPP
I MPP  [A] 330  335  340  345
9.91 9.97 10.02 10.07

Voltage at MPP
V MPP  [V] 330  335  340  345
33.29 33.62 33.94 34.26

Maximum System Voltage
V SYS  [V] 1000
1020

Safety Class II

Maximum Series Fuse Rating
[A DC] 20

Permitted Module Temperature
Continuous Duty
−40 °F up to +185 °F
(−40 °C up to +85 °C)

Fire Rating C (IEC) / TYPE 2 (UL)

Maximum Design Load, Push / Pull
[lbs / ft²] 75 (3600Pa)/55 (2667Pa)

Maximum Test Load, Push / Pull
[lbs / ft²] 113 (5400Pa)/84 (4000Pa)

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Specifications subject to technical changes

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