Q.PEAK DUO L-G7
385-405
ENDURING HIGH PERFORMANCE

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 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 (5400 Pa) and wind loads (2400 Pa).

A RELIABLE INVESTMENT
Inclusive 12-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, 168 h)
² See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:
- Rooftop arrays on commercial/industrial buildings
- Ground-mounted solar power plants

Engineered in Germany
**MECHANICAL SPECIFICATION**

- **Format**: 79.3 in × 39.4 in × 1.38 in (including frame)  
  (2015mm × 1000mm × 35mm)
- **Weight**: 50.7 lbs (23.0 kg)
- **Front Cover**: 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
- **Back Cover**: Composite film
- **Frame**: Anodized aluminum
- **Cell**: 6 × 24 monocrystalline Q.ANTUM solar half cells
- **Dimensions**: 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
- **Connector**: Bypass diodes, ≤ 20.1 V

**ELECTRICAL CHARACTERISTICS**

- **Power at MPP**
  - **385 W**: 288.3, 292.1, 295.8, 299.6 W
  - **390 W**: 288.3, 292.1, 295.8, 299.6 W
  - **395 W**: 288.3, 292.1, 295.8, 299.6 W
  - **400 W**: 288.3, 292.1, 295.8, 299.6 W
  - **405 W**: 288.3, 292.1, 295.8, 299.6 W

- **Short Circuit Current**
  - **385 W**: 10.05 A
  - **390 W**: 10.14 A
  - **395 W**: 10.19 A
  - **400 W**: 10.23 A
  - **405 W**: 10.23 A

- **Open Circuit Voltage**
  - **385 W**: 48.17 V
  - **390 W**: 48.44 V
  - **395 W**: 48.70 V
  - **400 W**: 49.22 V
  - **405 W**: 49.22 V

- **Voltage at MPP**
  - **385 W**: 40.24 V
  - **390 W**: 40.57 V
  - **395 W**: 40.90 V
  - **400 W**: 41.23 V
  - **405 W**: 41.56 V

- **Efficiency**
  - **385 W**: ≥ 19.1%
  - **390 W**: ≥ 19.4%
  - **395 W**: ≥ 19.6%
  - **400 W**: ≥ 20.1%

**Q CELLS PERFORMANCE WARRANTY**

- **Performance at Standard Test Conditions, STC** (Power Tolerance +5 W / −0 W)
  - **385 W**: 288.3, 292.1, 295.8, 299.6 W
  - **390 W**: 288.3, 292.1, 295.8, 299.6 W
  - **395 W**: 288.3, 292.1, 295.8, 299.6 W
  - **400 W**: 288.3, 292.1, 295.8, 299.6 W
  - **405 W**: 288.3, 292.1, 295.8, 299.6 W

**Q CELLS PERFORMANCE WARRANTY**

- **Performance at Low Irradiance**
  - **STC to 500 W/m²**: 19.6%
  - **STC to 200 W/m²**: 20.1%
  - **STC to 100 W/m²**: 20.6%

**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] = −0.35

**Nominal Module Operating Temperature**: NMOT [°F] = 109 ± 5.4 (43 ± 3 °C)

**PROPERTIES FOR SYSTEM DESIGN**

- **Maximum System Voltage (V_{IN})**: 1000 (IEC)/1000 (UL) V
- **Fire Rating**: UL 61730, Type II
- **Max. Design Load, Push / Pull**: 75 (3600 Pa)/33 (1800 Pa)
- **Max. Test Load, Push / Pull**: 113 (5400 Pa)/50 (2400 Pa)

**QUALIFICATIONS AND CERTIFICATES**

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

Specifications subject to technical changes. © Q CELLS 2020. All rights reserved.