**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 20.1%.

**INNOVATIVE ALL-WEATHER TECHNOLOGY**
Optimal yields, whatever the weather with excellent low-light and temperature behavior.

**ENDURING HIGH PERFORMANCE**

**EXTREME WEATHER RATING**
High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

**A RELIABLE INVESTMENT**

**STATE OF THE ART MODULE TECHNOLOGY**
Q.ANTUM DUO Technology and the integrated high-powered Enphase IQ 7+ Microinverter achieving maximum system efficiency.

**RELIABLE ENERGY MONITORING**
Seamless management with the intelligent Enphase Enlighten™ monitoring system.

**RAPID SHUTDOWN COMPLIANT**
Built-in rapid shutdown with no additional components required.

**Q.PEAK DUO-G6+ / AC 350-355**
Q.ANTUM DUO SOLAR MODULE WITH INTEGRATED MICROINVERTER

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

See data sheet on rear for further information
MECHANICAL SPECIFICATIONS

Format 68.5 x 40.6 x 1.57 in (including frame)  
(1740 x 1030 x 40 mm)
Weight 47.2 lbs (21.4 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 15-18 mm),  
Protection class IP67, with bypass diodes
Cable 4 mm² Solar cable, (+) ≥ 45.3 in (1150 mm), (−) ≥ 33.5 in (850 mm)
Connector Stäubli MC4, IP68

AC OUTPUT ELECTRICAL CHARACTERISTICS

IG7PLUS-72-ACM-US OR IG7PLUS-72-E-ACM-US

- Peak Output Power [VA] 295 AC Short Circuit Fault Current over 3 Cycles 5.8 Arms
- Max. Continuous Output Power [VA] 290 Max. Units per 20 A (L-L) Branch Circuit 13
- Nominal (L-L) Voltage / Range [V] 240/211–264 Overvoltage Class AC Port III
- Max. Continuous Output Current [A] 1.21 AC Port Backfeed Current 18mA
- Nominal Frequency [Hz] 60 Power Factor Setting 1
- Extended Frequency Range [Hz] 47 - 68 Power Factor (adjustable) 0.85 leading ... 0.85 lagging

DC ELECTRICAL CHARACTERISTICS

POWER CLASS 350 355 350 355

- Min. Short Circuit Current1 Isc [A] 10.79 10.84 Min. Voltage at MPP Vmpp [V] 34.07 34.38
- Min. Open Circuit Voltage1 Voc [V] 40.73 40.98 Min. Efficiency2 η [%] ≥ 19.5 ≥ 19.8
- Temperature Coefficient of Voc [% / K] + 0.44
- Temperature Coefficient of Isc [% / K] − 0.27
- Temperature Coefficient of Pmpp [% / K] − 0.36
- Nominal Module Operating Temperature NMOT [°F] 109 ± 5.4 (43 ± 3 °C)
- Maximum System Voltage Vsys [V] 1000 PV Module Classification Class II
- Maximum Series Fuse Rating [A DC] 20 Fire Rating based on ANSI / UL 1703 TYPE 2
- Max. Design Load, Push / Pull2 [lbs / ft²] 75 (5800 Pa) / 55 (2867 Pa) Permitted Module Temperature on Continuous Duty
- Max. Test Load, Push / Pull3 [lbs / ft²] 113 (5400 Pa) / 84 (4000 Pa)

Q CELLS PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE

- 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.

TEMPERATURE COEFFICIENTS

- Temperature Coefficient of Isc α [% / K] + 0.04
- Temperature Coefficient of Voc β [% / K] − 0.27
- Temperature Coefficient of Pmpp γ [% / K] − 0.36

PROPERTIES FOR DC SYSTEM DESIGN

- Maximum System Voltage Vsys [V] 1000 PV Module Classification Class II
- Maximum Series Fuse Rating [A DC] 20 Fire Rating based on ANSI / UL 1703 TYPE 2
- Max. Design Load, Push / Pull2 [lbs / ft²] 75 (5800 Pa) / 55 (2867 Pa) Permitted Module Temperature on Continuous Duty
- Max. Test Load, Push / Pull3 [lbs / ft²] 113 (5400 Pa) / 84 (4000 Pa)

QUALIFICATIONS AND CERTIFICATES

- Solar module: UL 1703, U.S. Patent No. 9,853,215 (solar cells);
- Enphase micro inverter: U.S. Patent No. 9,893,215 (solar cells);
- 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.

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