

The new high-performance module Q.PEAK DUO L-G5.2 is the ideal solution for commercial and utility applications thanks to a combination of its innovative cell technology Q.ANTUM and cutting edge cell interconnection. This 1500 V IEC/UL solar module with its 6 busbar cell design ensures superior yields with up to 395 Wp while having a very low LCOE.



LOW ELECTRICITY GENERATION COSTS

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to $19.9\,\%$.



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 Technology, 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 (2400 Pa).



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty².











- APT test conditions according to IEC/TS 62804-1:2015, method B (-1500 V, 168 h)
- See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:







Front Cover 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology

Back Cover Composite film

Junction box

Connector

Frame Anodized aluminum

Cell

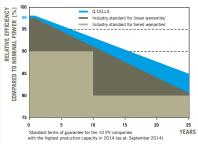
Cable



EL	ECTRICAL CHARACTERISTICS								
POWER CLASS 380						390	395		
MII	NIMUM PERFORMANCE AT STANDARD TEST COND	ITIONS, STC1	(POWER TOLI	ERANCE +5 W / -0 W)					
	Power at MPP ¹	\mathbf{P}_{MPP}	[W]	380	385	390	395		
	Short Circuit Current ¹	I _{sc}	[A]	10.05	10.10	10.14	10.19		
Minimum	Open Circuit Voltage ¹	V_{oc}	[V]	47.95	48.21	48.48	48.74		
<u>=</u>	Current at MPP	I _{MPP}	[A]	9.57	9.61	9.66	9.70		
	Voltage at MPP	\mathbf{V}_{MPP}	[V]	39.71	40.05	40.38	40.71		
	Efficiency ¹	η	[%]	≥18.9	≥19.1	≥19.4	≥19.6		
MII	MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ²								
	Power at MPP	P_{MPP}	[W]	283.9	287.6	291.3	295.1		
E	Short Circuit Current	I _{sc}	[A]	8.10	8.14	8.17	8.21		
Minimum	Open Circuit Voltage	V _{oc}	[V]	45.12	45.37	45.62	45.87		
	Current at MPP	I _{MPP}	[A]	7.53	7.57	7.60	7.64		
	Voltage at MPP	\mathbf{V}_{MPP}	[V]	37.69	38.01	38.33	38.64		

 $^{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{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}8000 \text{ W/m}^{2}, \text{NMOT, spectrum AM } 1.5\text{G according to IEC } 60904 - 3 \cdot ^{2}8000 \text{ W/m}^{2$

Q CELLS PERFORMANCE WARRANTY

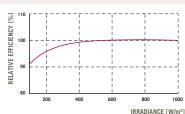


At least 98 % of nominal power during first year. Thereafter max, 0.54% degradation per year At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

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

holes, Ø 0.18" (4.5 mm)



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 \mathbf{V}_{oc}	β	[%/K]	-0.28
Temperature Coefficient of P_{MPP}	γ	[%/K]	-0.37	Normal Operating Module Temperature	NMOT	[° F]	109 ±5.4 (43 ±3°C)

PROPERTIES FOR SYSTEM DESIGN							
Maximum System Voltage V _{sys}	[V]	1500 (IEC) / 1500 (UL)	Safety Class	II			
Maximum Series Fuse Rating	[A DC]	20	Fire Rating	C (IEC) / TYPE 1 (UL)			
Max. Design Load, Push / Pull (UL) ²	[lbs/ft²]	75 (3600 Pa) / 33 (1600 Pa)	Permitted module temperature on continuous duty	-40° F up to $+185^{\circ}$ F (-40° C up to $+85^{\circ}$ C)			
Max Test Load Push / Pull (III)2	[lhs/ft²]	113 (5400 Pa) / 50 (2400 Pa)	² see installation manual				

PACKAGING INFORMATION **QUALIFICATIONS AND CERTIFICATES** UL 1703; CE-compliant; 29 **Number of Modules per Pallet** IEC 61215:2016, IEC 61730:2016 application class A Number of Pallets per 53' Trailer 26 Number of Pallets per 40' High Cube Container 22 Pallet Dimensions ($L \times W \times H$) $81.9 \text{ in} \times 45.3 \text{ in} \times 46.7 \text{ in}$ $(2080 \, \text{mm} \times 1150 \, \text{mm} \times 1185 \, \text{mm})$

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.

Pallet Weight

Hanwha Q CELLS America Inc.

1635 lbs (742 kg)