

The new high-performance module Q.PLUS 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 375 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 19.1%.



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 Technology 1 , Hot-Spot Protect and Traceable Quality Tra. Q^{TM} .



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.











- ¹ 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

Weight

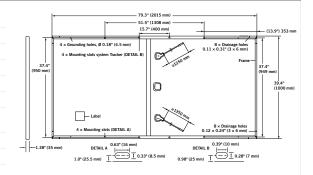
Cable

Frame Anodized aluminum

13-21 mm), Protection class IP67, with bypass diodes

 $4 \text{ mm}^2 \text{ Solar cable; (+)} \ge 53.1 \text{ in (1350 mm), (-)} \ge 53.1 \text{ in (1350 mm)}$

Connector Multi-Contact MC4-EVO2, JMTHY PV-JM601A, IP68 or Renhe 05-8, IP67



EL	ECTRICAL CHARACTERISTICS						
PO	WER CLASS			360	365	370	375
MII	NIMUM PERFORMANCE AT STANDARD TEST COM	IDITIONS, STC1	POWER TOL	ERANCE +5 W / -0 W)			
	Power at MPP ¹	\mathbf{P}_{MPP}	[W]	360	365	370	375
_	Short Circuit Current ¹	I _{sc}	[A]	9.87	9.92	9.96	10.01
Minimum	Open Circuit Voltage ¹	V _{oc}	[V]	46.80	47.03	47.26	47.49
	Current at MPP	I _{MPP}	[A]	9.35	9.41	9.47	9.54
	Voltage at MPP	\mathbf{V}_{MPP}	[V]	38.52	38.79	39.05	39.32
	Efficiency ¹	η	[%]	≥18.1	≥18.3	≥18.6	≥18.8
MII	MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ²						
Minimum	Power at MPP	\mathbf{P}_{MPP}	[W]	267.7	271.4	275.2	278.9
	Short Circuit Current	I _{sc}	[A]	7.95	7.99	8.03	8.06
	Open Circuit Voltage	V _{oc}	[V]	43.94	44.16	44.38	44.59
	Current at MPP	I _{MPP}	[A]	7.35	7.40	7.46	7.51
	Voltage at MPP	\mathbf{V}_{MPP}	[V]	36.44	36.68	36.91	37.14

 $^{1}\text{Measurement tolerances P}_{\text{MPP}} \pm 3\,\%; I_{\text{Sc}}, V_{\text{DC}} \pm 5\,\% \text{ at STC: } 1000\,\text{W/m}^{2}, 25 \pm 2\,^{\circ}\text{C}, \text{AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{NMOT, spectrum AM } 1.5\,\text{G} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}800\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}8000\,\text{W/m}^{2}, \text{ACC} \text{ according to IEC } 60904 - 3 \cdot {}^{2}80000\,\text{W/m}^{2}, \text{ACC} \text{ accordi$

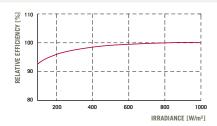
Q CELLS PERFORMANCE WARRANTY

ON THE PROPERTY OF THE PROPERT

At least 97 % of nominal power during first year. Thereafter max. 0.54 % degradation per year. At least 92 % of nominal power up to 10 years. At least 84 % 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 $^{\circ}\text{C},\ 1000\,\text{W/m}^2).$

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I _{sc}	α	[%/K]	+0.04	Temperature Coefficient of \mathbf{V}_{oc}	β	[%/K]	-0.29
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.39	Normal Operating Module Temperature	NMOT	[° F]	109 ±5.4 (43 ±3°C)

PROPERTIES FOR SYSTEM D	ESIGN			
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 $+185$ °F (-40 °C up to $+85$ °C)
Max. Test Load, Push / Pull (UL) ²	[lbs/ft ²]	113 (5400 Pa) / 50 (2400 Pa)	² see installation manual	

QUALIFICATIONS AND CERTIFICATES

UL 1703; CE-compliant; IEC 61215:2016, IEC 61730:2016 application class A







Number of Modules per Pallet	29		
Number of Pallets per 53' Trailer	26		
Number of Pallets per 40' High Cube Container	22		
	$81.9 \text{in} \times 45.3 \text{in} \times 46.7 \text{in}$ (2080 mm \times 1150 mm \times 1190 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)