



Certificate of Compliance

Certificate: 80045987

Master Contract: 254141

Project: 80045987

Date Issued: 2020-06-29

Issued to: Hanwha Q.CELLS GmbH
17-21 Sonnenallee
Bitterfeld-Wolfen, Sachsen-Anhalt 06766
GERMANY

Attention: Wiebke Engler

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Chao (Chris) Wang
Chao (Chris) Wang

PRODUCTS

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards

Bifacial Glass/Glass Photovoltaic Modules with Maximum System Voltage of 1500 V dc, Maximum Overcurrent Protection Rating 20 A, Class II / Application Class A, Fire Resistance Class B/Class C, Module Fire Performance New Type (for US). Module Types:

Q.PEAK DUO L-G5.3/BF XXX (XXX = 360 to 415, in steps of 5W),

Q.PEAK DUO L-G8.3/BFG XXX (XXX = 405 to 425, in steps of 5W),

Q.PEAK DUO L-G8.3/BGT XXX (XXX = 405 to 425, in steps of 5W).

Notes:

1. All electrical data shall be shown as relative to standard test conditions (STC) (1000 W/m² irradiance, (25 ± 2) °C, AM 1,5 according to IEC 60904-3).
2. Manufacturing tolerances are ±5% for voltage at open-circuit (Voc), ±5% for current at short-circuit (Isc) and ±3% for PV module maximum power (Pmax).
3. Bifacial module ratings are present only in the form of front-surface STC ratings.
4. New Fire Type is not defined in Table 10.17DV.4.6.1 of ANSI/UL 61730-2-2017. Details shall be referred to construction and fire performance.



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Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.PEAK DUO L-G5.3/BF XXX	360-415	360	46.90	9.87	37.34	9.39
		365	47.17	9.92	38.68	9.44
		370	47.43	9.96	39.03	9.48
		375	47.69	10.01	39.37	9.52
		380	47.95	10.05	39.71	9.57
		385	48.21	10.10	40.05	9.61
		390	48.48	10.14	40.38	9.66
		395	48.74	10.19	40.71	9.70
		400	49.00	10.24	41.04	9.75
		405	49.26	10.28	41.36	9.79
		410	49.52	10.33	41.68	9.84
Q.PEAK DUO L-G8.3/BFG XXX Q.PEAK DUO L-G8.3/BGT XXX	405-425	405	48.10	10.60	40.14	10.09
		410	48.34	10.65	40.46	10.13
		415	48.59	10.69	40.77	10.18
		420	48.84	10.74	41.08	10.22
		425	49.09	10.78	41.39	10.27

APPLICABLE REQUIREMENTS

- CSA C22.2 No. 61730-1:19 Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
- CSA C22.2 No. 61730-2:19 Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing
- ANSI/UL 61730-1-2017 Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction
- ANSI/UL 61730-2-2017 Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80045987	2020-06-29	CSA C/US Certification for Photovoltaic (PV) Modules, Module Types Q.PEAK DUO L-G5.3/BF, Q.PEAK DUO L-G8.3/BFG and Q.PEAK DUO L-G8.3/BGT.