



Certificate of Compliance

Certificate: 80045987

Master Contract: 254141

Project: 80143891

Date Issued: 2022-10-18

Issued To: Hanwha Q.CELLS GmbH
17-21 Sonnenallee
Thalheim
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: Tom Yang
Tom Yang

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 or 25 A, Class II / Application Class A, Fire Resistance Class B/Class C, Module Fire Performance New Type/Type 29 (for US). Module Types:

- Q.PEAK DUO L-G5.3/BF XXX (XXX = 360 to 415, in steps of 5W),
- Q.PEAK DUO L-G6.3/BFG XXX (XXX = 385 to 440, in steps of 5W),
- B.LINE PEAK DUO L-G6.3/BFG XXX (XXX = 385 to 440, in steps of 5W),
- Q.PEAK DUO L-G6.3/BGT XXX (XXX = 385 to 440, in steps of 5W),
- B.LINE PEAK DUO L-G6.3/BGT XXX (XXX = 385 to 440, in steps of 5W),
- Q.PEAK DUO L-G8.3/BFG XXX (XXX = 405 to 425, in steps of 5W),
- B.LINE 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),



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B.LINE PEAK DUO L-G8.3/BGT XXX (XXX = 405 to 425, in steps of 5W),
 Q.PEAK DUO XL-G9.3/BFG XXX (XXX = 425 to 480, in steps of 5W),
 B.LINE PEAK DUO XL-G9.3/BFG XXX (XXX = 425 to 480, in steps of 5W),
 Q.PEAK DUO XL-G9.3/BGT XXX (XXX = 425 to 480, in steps of 5W),
 B.LINE PEAK DUO XL-G9.3/BGT XXX (XXX = 425 to 480, in steps of 5W),
 Q.PEAK DUO XL-G10.3/BFG XXX (XXX = 460 to 500, in steps of 5W),
 B.LINE PEAK DUO XL-G10.3/BFG XXX (XXX = 460 to 500, in steps of 5W),
 Q.PEAK DUO XL-G10.d/BFG XXX (XXX = 460 to 500, in steps of 5W),
 B.LINE PEAK DUO XL-G10.d/BFG XXX (XXX = 460 to 500, in steps of 5W),
 Q.PEAK DUO XL-G11.3/BFG XXX (XXX = 545 to 605, in steps of 5W),
 B.LINE PEAK DUO XL-G11.3/BFG XXX (XXX = 545 to 605, in steps of 5W),
 Q.PEAK DUO XL-G11.7/BFG XXX (XXX = 545 to 605, in steps of 5W),
Q.PEAK DUO XL-G11S.3/BFG XXX (XXX = 575 to 590, in steps of 5W),
B.LINE PEAK DUO XL-G11S.3/BFG XXX (XXX = 575 to 590, in steps of 5W).

Notes:

- 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).
- 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).
- Bifacial module ratings are present only in the form of front-surface STC ratings.
- New Fire Type is not defined in Table 10.17DV.4.6.1 of ANSI/UL 61730-2-2020. Details shall be referred to construction and fire performance.

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-G6.3/BFG XXX B.LINE PEAK DUO L-G6.3/BFG XXX	385-440	385	47.15	10.47	38.66	9.96
		390	47.39	10.51	38.98	10.00



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Q.PEAK DUO L-G6.3/BGT XXX B.LINE PEAK DUO L-G6.3/BGT XXX		395	47.64	10.56	39.31	10.05
		400	47.89	10.60	39.63	10.09
		405	48.14	10.65	39.95	10.14
		410	48.39	10.70	40.27	10.18
		415	48.63	10.74	40.58	10.23
		420	48.88	10.79	40.89	10.27
		425	49.13	10.83	41.20	10.32
		430	49.38	10.88	41.50	10.36
		435	49.63	10.92	41.81	10.41
		440	49.87	10.97	42.11	10.45
Q.PEAK DUO L-G8.3/BFG XXX B.LINE PEAK DUO L-G8.3/BFG XXX Q.PEAK DUO L-G8.3/BGT XXX B.LINE 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
Q.PEAK DUO XL-G9.3/BFG XXX B.LINE PEAK DUO XL-G9.3/BFG XXX Q.PEAK DUO XL-G9.3/BGT XXX B.LINE PEAK DUO XL-G9.3/BGT XXX	425-480	425	51.89	10.33	43.21	9.84
		430	52.14	10.38	43.54	9.88
		435	52.39	10.42	43.86	9.92
		440	52.65	10.46	44.18	9.96
		445	52.90	10.50	44.50	10.00
		450	53.15	10.54	44.82	10.04
		455	53.41	10.58	45.13	10.08
		460	53.66	10.63	45.44	10.12
		465	53.91	10.67	45.75	10.16
		470	54.17	10.71	46.06	10.20
Q.PEAK DUO XL-G10.3/BFG XXX B.LINE PEAK DUO XL-G10.3/BFG XXX Q.PEAK DUO XL-G10.d/BFG XXX B.LINE PEAK DUO XL-G10.d/BFG XXX	460-500	460	52.44	10.95	44.11	10.43
		465	52.68	11.00	44.42	10.47
		470	52.91	11.04	44.73	10.51
		475	53.15	11.08	45.03	10.55
		480	53.39	11.12	45.33	10.59
		485	53.63	11.16	45.63	10.63
		490	53.86	11.20	45.93	10.67
		495	54.10	11.24	46.22	10.71
Q.PEAK DUO XL-G11.3/BFG XXX	545-605	545	53.36	13.37	43.31	12.58



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B.LINE PEAK DUO XL-G11.3/BFG XXX Q.PEAK DUO XL-G11.7/BFG XXX		550	53.39	13.39	43.54	12.63
		555	53.42	13.42	43.77	12.68
		560	53.45	13.44	43.99	12.73
		565	53.48	13.47	44.22	12.78
		570	53.50	13.50	44.44	12.83
		575	53.53	13.52	44.66	12.87
		580	53.56	13.55	44.88	12.92
		585	53.59	13.57	45.10	12.97
		590	53.63	13.60	45.31	13.02
		595	53.64	13.62	45.53	13.07
		600	53.67	13.65	45.74	13.12
		605	53.70	13.68	45.95	13.17
Q.PEAK DUO XL-G11S.3/BFG XXX B.LINE PEAK DUO XL-G11S.3/BFG XXX	575-590	575	53.52	13.67	44.31	12.98
		580	53.55	13.69	44.53	13.03
		585	53.57	13.72	44.75	13.07
		590	53.60	13.74	44.96	13.12

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No. 61730-1:19 Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction, 2019-12
- CAN/CSA-C22.2 No. 61730-2:19 Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing, 2019-12
- UL 61730-1 1st Edition Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30
- UL 61730-2 1st Edition Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30

Notes:

Products certified under Class C531110 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

