

Certificate



Certificate no.

CU 72228208 01

License Holder:

Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
1329 Daegeum-ro, Geumwang-eup
Eumseong-Gun 27632
Republic of Korea

Test report no.: USA-DE229ISP 001

Client Reference: 6441026120

Tested to: UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

Type with 156 half cut solar cells:

Q.PEAK DUO XL-G11.3 XXX
B.LINE PEAK DUO XL-G11.3 XXX
(XXX = 550-590 in steps of 5, 156 cells)
- XXX represents output power in Wp

7

Maximum system voltage : 1500 V DC
Over-current protection rating : 25 A
Max. positive Design Load (downward): 3600 Pa
Max. negative Design Load (upward) : 1600 Pa

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Licensed Test mark:

Date of Issue
(day/mo/yr)
11/11/2022



Certificate



Certificate no.

CU 72228208 02

License Holder:

Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
202 Sansusandan2-ro, Iwol-myun
Jincheon-Gun 27816
Republic of Korea

Test report no.: USA- DE229ISP 001

Client Reference: 6441026120

Tested to:

UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

As page 1.
- additional manufacturing plant (see above)

Licensed Test mark:

Date of Issue

(day/mo/yr)

11/11/2022



Certificate



Certificate no.

CU 72228208 03

License Holder:

Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Q CELLS USA Inc.
300 Nexus Drive
Dalton GA 30721
USA

Test report no.: USA-DE229ISP 002

Client Reference: 6441026120

Tested to:

UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

As pages 1 and 2.

1

- additional components and module type designation:
Module type with 156 half cut solar cells:

Q.PEAK DUO XL-G11.3/BFG XXX

B.LINE PEAK DUO XL-G11.3/BFG XXX

XXX = 555-595 in steps of 5, 156 cells

XXX represents output power in Wp

- additional manufacturing plant: see above

(40775866)

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Licensed Test mark:

Date of Issue

(day/mo/yr)

21/12/2022



Certificate



Certificate no.

CU 72228208 04

License Holder:

Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
1329 Daegeum-ro, Geumwang-eup
Eumseong-Gun 27632
Republic of Korea

Test report no.: USA-DE229ISP 003

Client Reference: 6441026120

Tested to: UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

As pages 1, 2 and 3.

1

- additional components and module type designation:
Module type with 156 half cut solar cells:

Q.PEAK DUO XL-G10.2 XXX

Q.PEAK DUO XL-G10.3 XXX

XXX = 470 - 490 in steps of 5, 156 cells

XXX represents output power in Wp

- for other valid manufacturing plants, see pages 2 and 3

1

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Licensed Test mark:

Date of Issue

(day/mo/yr)

16/01/2023



Certificate



Certificate no.

CU 72228208 05

License Holder:

Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
1329 Daegeum-ro, Geumwang-eup
Eumseong-Gun 27632
Republic of Korea

Test report no.: USA-DE229ISP 004

Client Reference: 6441026120

Tested to:

UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

- additional components and module tupe designation: 1
- Module type with 132 half-cut solar cells:
 - Q.PEAK DUO ML-G10 XXX; Q.PEAK DUO ML-G10+ XXX;
 - Q.PEAK DUO ML-G10.a XXX; Q.PEAK DUO ML-G10.a+ XXX;
 - Q.PEAK DUO BLK ML-G10 XXX; Q.PEAK DUO BLK ML-G10.a+ XXX;
 - Q.PEAK DUO BLK ML-G10.a XXX; Q.PEAK DUO BLK ML-G10+ XXX;
 - B.LINE PEAK DUO ML-G10 XXX; B.LINE PEAK DUO ML-G10.a XXX;
 - B.LINE PEAK DUO BLK ML-G10 XXX;
 - B.LINE PEAK DUO BLK ML-G10.a XXX
- XXX = 395-415 in steps of 5, 132 cells
- XXX represents output power in Wp
- for other valid manufacturing plants, see pages 2 and 3

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Licensed Test mark:

Date of Issue

(day/mo/yr)

17/01/2023



Certificate



Certificate no.

CU 72228208 06

License Holder:

Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
1329 Daegeum-ro, Geumwang-eup
Eumseong-Gun 27632
Republic of Korea

Test report no.: USA-DE229ISP 004

Client Reference: 6441026120

Tested to:

UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

As page 4

- additional components and module type designation:

Module type with 156 half-cut solar cells:

Q.PEAK DUO XL-G10.c XXX;

Q.PEAK DUO XL-G10.d XXX

XXX = 470 - 490 in steps of 5, 156 half-cells

XXX represents output power in W_p

- for other valid manufacturing plants, see pages 2 and 3

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Licensed Test mark:

Date of Issue

(day/mo/yr)

17/01/2023



Certificate



Certificate no.

CU 72228208 07

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Hanwha Q CELLS GmbH
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Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
1329 Daegeum-ro, Geumwang-eup
Eumseong-Gun 27632
Republic of Korea

Test report no.: USA-DE229ISP 005

Client Reference: 6441026120

Tested to:

UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

- additional components and module type designation:

1

Module type with 132 half-cut solar cells:

Q.PEAK DUO BLK ML-G10+/t 400
B.LINE PEAK DUO BLK ML-G10/t 400
(400 represents output power in Wp)

- for other valid manufacturing plants, see pages 2 and 3

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Licensed Test mark:

Date of Issue

(day/mo/yr)

15/02/2023



Certificate



Certificate no.

CU 72228208 08

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Hanwha Q CELLS GmbH
Sonnenallee 17-21
06766 Bitterfeld-Wolfen
Deutschland

Manufacturing Plant:

Hanwha Solution Corporation
1329 Daegeum-ro, Geumwang-eup
Eumseong-Gun 27632
Republic of Korea

Test report no.: USA-DE229ISP 006

Client Reference: 6441026120

Tested to: UL 61730-1:2017 R4.20
UL 61730-2:2017 R11.20
CSA C22.2 No. 61730-1:19
CSA C22.2 No. 61730-2:19

Certified Product: Photovoltaic Module

License Fee - Units

- additional components and module type designation:
Module type with 156 half-cut solar cells:
Q.PEAK DUO XL-G11S.3/BFG XXX
B.LINE PEAK DUO XL-G11S.3/BFG XXX
(XXX = 555-595 in steps of 5, 156 half-cells)
Module type with 132 half-cut solar cells:
Q.PEAK DUO ML-G10.2 XXX
B.LINE PEAK DUO ML-G10.2 XXX
(XXX = 395-415 in steps of 5, 132 half-cells)
XXX represents output power in Wp
- for other valid manufacturing plants, see pages 2 and 3

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Licensed Test mark:

Date of Issue
(day/mo/yr)

14/03/2023

