

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-Wangchrisc-CN23GYU7

Ausstellungsdatum *Date of Issue*  
001 19.04.2023 (day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
Zhejiang  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

PV Module

Type Designation:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With 1/2 cut mono bifacial c-Si cells (Under STC):

DMxxxM10T-B78HBB (xxx=590-625, in steps of 5, 156 cells)  
DMxxxM10T-B78HSW (xxx=590-625, in steps of 5, 156 cells)  
DMxxxM10T-B78HST (xxx=590-625, in steps of 5, 156 cells)  
DMxxxM10T-B78HBW (xxx=590-625, in steps of 5, 156 cells)  
DMxxxM10T-B72HBB (xxx=535-575, in steps of 5, 144 cells)  
DMxxxM10T-B72HSW (xxx=535-575, in steps of 5, 144 cells)  
DMxxxM10T-B72HST (xxx=535-575, in steps of 5, 144 cells)  
DMxxxM10T-B72HBW (xxx=535-575, in steps of 5, 144 cells)  
DMxxxM10T-B66HBB (xxx=500-525, in steps of 5, 132 cells)  
DMxxxM10T-B66HSW (xxx=500-525, in steps of 5, 132 cells)  
DMxxxM10T-B66HST (xxx=500-525, in steps of 5, 132 cells)  
DMxxxM10T-B66HBW (xxx=500-525, in steps of 5, 132 cells)  
DMxxxM10T-B60HBB (xxx=450-480, in steps of 5, 120 cells)  
DMxxxM10T-B60HSW (xxx=450-480, in steps of 5, 120 cells)  
DMxxxM10T-B60HST (xxx=450-480, in steps of 5, 120 cells)  
DMxxxM10T-B60HBW (xxx=450-480, in steps of 5, 120 cells)

Continued on Page 0002

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

http://www.tuv.com/safety E-mail: markcheck@tuv.com  
Fax: +49 221 806-3935

Zertifizierungsstelle



Dipl.-Ing. (FH) G. He

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-Wangchrisc-CN23GYU7

Ausstellungsdatum *Date of Issue*  
001 19.04.2023 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0001

DMxxxM10T-B54HBB (xxx=405-430, in steps of 5, 108 cells)  
DMxxxM10T-B54HSW (xxx=405-430, in steps of 5, 108 cells)  
DMxxxM10T-B54HST (xxx=405-430, in steps of 5, 108 cells)  
DMxxxM10T-B54HBW (xxx=405-430, in steps of 5, 108 cells)

With 1/2 cut mono bifacial c-Si cells (Under BNPI):

DMxxxM10T-B78HBB  
(xxx=649, 655, 660, 666, 671, 677, 682, 688, 156 cells)

DMxxxM10T-B78HSW  
(xxx=649, 655, 660, 666, 671, 677, 682, 688, 156 cells)

DMxxxM10T-B78HST  
(xxx=649, 655, 660, 666, 671, 677, 682, 688, 156 cells)

DMxxxM10T-B78HBW  
(xxx=649, 655, 660, 666, 671, 677, 682, 688, 156 cells)

DMxxxM10T-B72HBB  
(xxx=589, 594, 600, 605, 611, 616, 622, 627, 633, 144 cells)

DMxxxM10T-B72HSW  
(xxx=589, 594, 600, 605, 611, 616, 622, 627, 633, 144 cells)

Continued on Page 0003

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Zertifizierungsstelle



Dipl.-Ing. (FH) F. He

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0003

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-Wangchrisc-CN23GYU7

Ausstellungsdatum *Date of Issue*  
001 19.04.2023 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0002

DMxxxM10T-B72HST

(xxx=589,594,600,605,611,616,622,627,633, 144 cells)

DMxxxM10T-B72HBW

(xxx=589,594,600,605,611,616,622,627,633, 144 cells)

DMxxxM10T-B66HBB (xxx=550,556,561,567,572,578, 132 cells)

DMxxxM10T-B66HSW (xxx=550,556,561,567,572,578, 132 cells)

DMxxxM10T-B66HST (xxx=550,556,561,567,572,578, 132 cells)

DMxxxM10T-B66HBW (xxx=550,556,561,567,572,578, 132 cells)

DMxxxM10T-B60HBB

(xxx=495,501,506,512,517,523,528, 120 cells)

DMxxxM10T-B60HSW

(xxx=495,501,506,512,517,523,528, 120 cells)

DMxxxM10T-B60HST

(xxx=495,501,506,512,517,523,528, 120 cells)

DMxxxM10T-B60HBW

(xxx=495,501,506,512,517,523,528, 120 cells)

Continued on Page 0004

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

Zertifizierungsstelle



Dipl.-Ing. (FH) E. He

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0004

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-Wangchrisc-CN23GYU7

Ausstellungsdatum *Date of Issue*  
001 19.04.2023 (day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
Zhejiang  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen *Test Mark***



**Geprüft nach *Tested acc. to***

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit  
*License Fee - Unit***

PV Module

Continuation of Page 0003

DMxxxM10T-B54HBB (xxx=446,451,457,462,468,473, 108 cells)  
DMxxxM10T-B54HSW (xxx=446,451,457,462,468,473, 108 cells)  
DMxxxM10T-B54HST (xxx=446,451,457,462,468,473, 108 cells)  
DMxxxM10T-B54HBW (xxx=446,451,457,462,468,473, 108 cells)

**Remarks:**

Class II acc. to IEC 61140  
Fire Rating: Class C (according to UL 790)  
Safety Factors: 1.5  
Design Load (Refer to test report for details of corresponding material and installation method.):  
2400 Pa (downward) / 1600 Pa (upward)  
3600 Pa (downward) / 2400 Pa (upward)

**Conditions:**

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certificate is valid until 18 April 2028.

*Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

http://www.tuv.com/safety E-mail: markcheck@tuv.com  
Fax: +49 221 806-3935



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0005

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-Wangchrisc-CN23GYU7

Ausstellungsdatum *Date of Issue*  
003 18.05.2023 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Same as Page 0001-0004

In addition:

Type Designation:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With 1/2 cut mono bifacial c-Si cells (Under STC):

DMxxxM10T-B78HBT (xxx=590-625, in steps of 5, 156 cells)

DMxxxM10T-B72HBT (xxx=535-575, in steps of 5, 144 cells)

DMxxxM10T-B66HBT (xxx=500-525, in steps of 5, 132 cells)

DMxxxM10T-B60HBT (xxx=450-480, in steps of 5, 120 cells)

DMxxxM10T-B54HBT (xxx=405-430, in steps of 5, 108 cells)

With 1/2 cut mono bifacial c-Si cells (Under BNPI):

DMxxxM10T-B78HBT

(xxx=649, 655, 660, 666, 671, 677, 682, 688, 156 cells)

DMxxxM10T-B72HBT

(xxx=589, 594, 600, 605, 611, 616, 622, 627, 633, 144 cells)

DMxxxM10T-B66HBT (xxx=550, 556, 561, 567, 572, 578, 132 cells)

DMxxxM10T-B60HBT

(xxx=495, 501, 506, 512, 517, 523, 528, 120 cells)

DMxxxM10T-B54HBT (xxx=446, 451, 457, 462, 468, 473, 108 cells)

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

http://www.tuv.com/safety E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

Zertifizierungsstelle



Dipl.-Ing. Matthias Krzam

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0006

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-JS-CN23GYU7 005

Ausstellungsdatum *Date of Issue*  
11.07.2023  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
Zhejiang  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen *Test Mark***



IEC 61215  
IEC 61730  
Regular Production  
Surveillance  
  
www.tuv.com  
ID 1111268135

**Geprüft nach *Tested acc. to***

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit  
*License Fee - Unit***

PV Module

Same as Page 0001-0005

**Remarks:**

- Extension to Fire Rating: Class A (according to UL 790).  
(Refer to test report for details of corresponding material.)

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Zertifizierungsstelle**

**Dipl.-Ing. (FH) Tim Kirschner**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0043

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Same as Page 0001-0042

In addition:

Type Designation:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With 1/2 cut mono bifacial c-Si cells (Under STC):

GHxxxM10T-B78HSW-C (xxx=590-650, in steps of 5, 156 cells)

GHxxxM10T-B78HST-C (xxx=590-650, in steps of 5, 156 cells)

GHxxxM10T-B66HSW-C (xxx=500-550, in steps of 5, 132 cells)

GHxxxM10T-B66HST-C (xxx=500-550, in steps of 5, 132 cells)

GHxxxM10T-B48HSW-C (xxx=360-400, in steps of 5, 96 cells)

GHxxxM10T-B48HST-C (xxx=360-400, in steps of 5, 96 cells)

GHxxxM10T-B44HST-C (xxx=330-365, in steps of 5, 88 cells)

GHxxxM10T-B40HST-C (xxx=300-330, in steps of 5, 80 cells)

GHxxxM10T-B36HST-C (xxx=270-300, in steps of 5, 72 cells)

GHxxxM10T-B32HST-C (xxx=250-265, in steps of 5, 64 cells)

GHxxxM10RT-B48HSW-C (xxx=380-400, in steps of 5, 96 cells)

GHxxxM10RT-B48HST-C (xxx=380-400, in steps of 5, 96 cells)

GHxxxM10RT-B40HSW-C (xxx=315-330, in steps of 5, 80 cells)

GHxxxM10RT-B40HST-C (xxx=315-330, in steps of 5, 80 cells)

Continued on Page 0044

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0044

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0043

DMxxxG12T-B66HSW (xxx=675-700, in steps of 5, 132 cells)  
DMxxxG12T-B66HBW (xxx=675-700, in steps of 5, 132 cells)  
DMxxxG12T-B66HST (xxx=675-700, in steps of 5, 132 cells)  
DMxxxG12T-B66HBT (xxx=675-700, in steps of 5, 132 cells)  
DMxxxG12T-B66HBB (xxx=675-700, in steps of 5, 132 cells)  
GHxxxG12T-B66HSW (xxx=675-700, in steps of 5, 132 cells)  
GHxxxG12T-B66HBW (xxx=675-700, in steps of 5, 132 cells)  
GHxxxG12T-B66HST (xxx=675-700, in steps of 5, 132 cells)  
GHxxxG12T-B66HBT (xxx=675-700, in steps of 5, 132 cells)  
GHxxxG12T-B66HBB (xxx=675-700, in steps of 5, 132 cells)  
PW54M10-BB xxx (xxx=405-450, in steps of 5, 108 cells)  
With 1/2 cut mono bifacial c-Si cells (Under BNPI):  
GHxxxM10T-B78HSW-C (xxx=649, 655, 660, 666, 671, 677, 682, 688,  
693, 699, 704, 710, 715, 156 cells)  
GHxxxM10T-B78HST-C (xxx=649, 655, 660, 666, 671, 677, 682, 688,  
693, 699, 704, 710, 715, 156 cells)  
GHxxxM10T-B66HSW-C (xxx=550, 556, 561, 567, 572, 578, 583, 589,  
594, 600, 605, 132 cells)  
Continued on Page 0045

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50582887

**Blatt Sheet**  
0045

**Ihr Zeichen Client Reference**  
W.W.

**Unser Zeichen Our Reference**  
01-AZ-CN23GYU7 032

**Ausstellungsdatum Date of Issue**  
30.04.2024 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen Test Mark**



**Geprüft nach Tested acc. to**

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)**  
**Certified Product (Product Identification)**

**Lizenzentgelte - Einheit**  
**License Fee - Unit**

PV Module

Continuation of Page 0044

GHxxxM10T-B66HST-C (xxx=550, 556, 561, 567, 572, 578, 583, 589, 594, 600, 605, 132 cells)

GHxxxM10T-B48HSW-C (xxx=396, 402, 407, 413, 418, 424, 429, 435, 440, 96 cells)

GHxxxM10T-B48HST-C (xxx=396, 402, 407, 413, 418, 424, 429, 435, 440, 96 cells)

GHxxxM10T-B44HST-C (xxx=363, 369, 374, 380, 385, 391, 396, 402, 88 cells)

GHxxxM10T-B40HST-C (xxx=330, 336, 341, 347, 352, 358, 363, 80 cells)

GHxxxM10T-B36HST-C (xxx=297, 303, 308, 314, 319, 325, 330, 72 cells)

GHxxxM10T-B32HST-C (xxx=275, 281, 286, 292, 64 cells)

GHxxxM10RT-B48HSW-C (xxx=418, 424, 429, 435, 440, 96 cells)

GHxxxM10RT-B48HST-C (xxx=418, 424, 429, 435, 440, 96 cells)

GHxxxM10RT-B40HSW-C (xxx=347, 352, 358, 363, 80 cells)

GHxxxM10RT-B40HST-C (xxx=347, 352, 358, 363, 80 cells)

DMxxxG12T-B66HSW (xxx=743, 748, 754, 759, 765, 770, 132 cells)

Continued on Page 0046

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0046

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0045

DMxxxG12T-B66HBW (xxx=743,748,754,759,765,770, 132 cells)  
DMxxxG12T-B66HST (xxx=743,748,754,759,765,770, 132 cells)  
DMxxxG12T-B66HBT (xxx=743,748,754,759,765,770, 132 cells)  
DMxxxG12T-B66HBB (xxx=743,748,754,759,765,770, 132 cells)  
GHxxxG12T-B66HSW (xxx=743,748,754,759,765,770, 132 cells)  
GHxxxG12T-B66HBW (xxx=743,748,754,759,765,770, 132 cells)  
GHxxxG12T-B66HST (xxx=743,748,754,759,765,770, 132 cells)  
GHxxxG12T-B66HBT (xxx=743,748,754,759,765,770, 132 cells)  
GHxxxG12T-B66HBB (xxx=743,748,754,759,765,770, 132 cells)  
PW54M10-BB xxx

(xxx=446,451,457,462,468,473,479,484,490,495, 108 cells)

Power range extension for following models:

With 1/2 cut mono bifacial c-Si cells (Under STC):

DMxxxM10T-B78HBB (xxx=645-650, in steps of 5, 156 cells)  
DMxxxM10T-B78HSW (xxx=645-650, in steps of 5, 156 cells)  
DMxxxM10T-B78HST (xxx=645-650, in steps of 5, 156 cells)  
DMxxxM10T-B78HBW (xxx=645-650, in steps of 5, 156 cells)  
DMxxxM10T-B78HBT (xxx=645-650, in steps of 5, 156 cells)

Continued on Page 0047

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50582887

**Blatt Sheet**  
0047

**Ihr Zeichen Client Reference**  
W.W.

**Unser Zeichen Our Reference**  
01-AZ-CN23GYU7 032

**Ausstellungsdatum Date of Issue**  
30.04.2024 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen Test Mark**



**Geprüft nach Tested acc. to**

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)**

**Lizenzentgelte - Einheit  
License Fee - Unit**

PV Module

Continuation of Page 0046

- DMxxxM10T-B78HSS (xxx=645-650, in steps of 5, 156 cells)
  - DMxxxM10T-B78HBS (xxx=645-650, in steps of 5, 156 cells)
  - DMxxxM10T-B72HBB (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B72HSW (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B72HST (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B72HBW (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B72HBT (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B72HSS (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B72HBS (xxx=590-600, in steps of 5, 144 cells)
  - DMxxxM10T-B66HBB (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B66HSW (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B66HST (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B66HBW (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B66HBT (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B66HSS (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B66HBS (xxx=545-550, in steps of 5, 132 cells)
  - DMxxxM10T-B60HBB (xxx=495-500, in steps of 5, 120 cells)
  - DMxxxM10T-B60HSW (xxx=495-500, in steps of 5, 120 cells)
- Continued on Page 0048

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0048

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

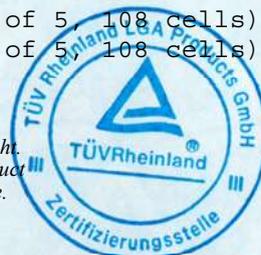
## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0047

DMxxxM10T-B60HST (xxx=495-500, in steps of 5, 120 cells)  
DMxxxM10T-B60HBW (xxx=495-500, in steps of 5, 120 cells)  
DMxxxM10T-B60HBT (xxx=495-500, in steps of 5, 120 cells)  
DMxxxM10T-B60HSS (xxx=495-500, in steps of 5, 120 cells)  
DMxxxM10T-B60HBS (xxx=495-500, in steps of 5, 120 cells)  
DMxxxM10T-B54HBB (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HSW (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HST (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HBW (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HBT (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HSS (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HBS (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HBB-L (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HSW-L (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HST-L (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HBW-L (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HBT-L (xxx=445-450, in steps of 5, 108 cells)  
DMxxxM10T-B54HSS-L (xxx=445-450, in steps of 5, 108 cells)  
Continued on Page 0049

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
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Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0049

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum  
30.04.2024

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen *Test Mark***



**Geprüft nach *Tested acc. to***

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit  
*License Fee - Unit***

PV Module

Continuation of Page 0048

- DMxxxM10T-B54HBS-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B78HBB (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B78HSW (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B78HST (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B78HBW (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B78HBT (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B78HSS (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B78HBS (xxx=645-650, in steps of 5, 156 cells)
  - GHxxxM10T-B72HBB (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B72HSW (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B72HST (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B72HBW (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B72HBT (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B72HSS (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B72HBS (xxx=590-600, in steps of 5, 144 cells)
  - GHxxxM10T-B66HBB (xxx=545-550, in steps of 5, 132 cells)
  - GHxxxM10T-B66HSW (xxx=545-550, in steps of 5, 132 cells)
  - GHxxxM10T-B66HST (xxx=545-550, in steps of 5, 132 cells)
- Continued on Page 0050

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50582887

**Blatt Sheet**  
0050

**Ihr Zeichen Client Reference**  
W.W.

**Unser Zeichen Our Reference**  
01-AZ-CN23GYU7 032

**Ausstellungsdatum Date of Issue**  
30.04.2024 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen Test Mark**



**Geprüft nach Tested acc. to**

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)**

**Lizenzentgelte - Einheit  
License Fee - Unit**

PV Module

Continuation of Page 0049

- GHxxxM10T-B66HBW (xxx=545-550, in steps of 5, 132 cells)
  - GHxxxM10T-B66HBT (xxx=545-550, in steps of 5, 132 cells)
  - GHxxxM10T-B66HSS (xxx=545-550, in steps of 5, 132 cells)
  - GHxxxM10T-B66HBS (xxx=545-550, in steps of 5, 132 cells)
  - GHxxxM10T-B60HBB (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B60HSW (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B60HST (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B60HBW (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B60HBT (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B60HSS (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B60HBS (xxx=495-500, in steps of 5, 120 cells)
  - GHxxxM10T-B54HBB (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HSW (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HST (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HBW (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HBT (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HSS (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HBS (xxx=445-450, in steps of 5, 108 cells)
- Continued on Page 0051

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0051

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum  
30.04.2024

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen *Test Mark***



**Geprüft nach *Tested acc. to***

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit  
*License Fee - Unit***

PV Module

Continuation of Page 0050

- GHxxxM10T-B54HBB-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HSW-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HST-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HBW-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HBT-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HSS-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B54HBS-L (xxx=445-450, in steps of 5, 108 cells)
  - GHxxxM10T-B48HST (xxx=390-400, in steps of 5, 96 cells)
  - GHxxxM10T-B44HST (xxx=355-365, in steps of 5, 88 cells)
  - GHxxxM10T-B40HST (xxx=325-330, in steps of 5, 80 cells)
  - GHxxxM10T-B36HST (xxx=290-300, in steps of 5, 72 cells)
  - DMxxxG12RT-B66HSW (xxx=590, 132 cells)
  - DMxxxG12RT-B66HBW (xxx=590, 132 cells)
  - DMxxxG12RT-B66HST (xxx=590, 132 cells)
  - DMxxxG12RT-B66HBT (xxx=590, 132 cells)
  - DMxxxG12RT-B66HBB (xxx=590, 132 cells)
  - DMxxxG12RT-B66HBS (xxx=590, 132 cells)
  - DMxxxG12RT-B66HSS (xxx=590, 132 cells)
- Continued on Page 0052

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0052

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0051

GHxxxG12RT-B66HSW (xxx=590, 132 cells)  
GHxxxG12RT-B66HBW (xxx=590, 132 cells)  
GHxxxG12RT-B66HST (xxx=590, 132 cells)  
GHxxxG12RT-B66HBT (xxx=590, 132 cells)  
GHxxxG12RT-B66HBB (xxx=590, 132 cells)  
GHxxxG12RT-B66HBS (xxx=590, 132 cells)  
GHxxxG12RT-B66HSS (xxx=590, 132 cells)

With 1/2 cut mono bifacial c-Si cells (Under BNPI):

DMxxxM10T-B78HBB (xxx=710, 715, 156 cells)  
DMxxxM10T-B78HSW (xxx=710, 715, 156 cells)  
DMxxxM10T-B78HST (xxx=710, 715, 156 cells)  
DMxxxM10T-B78HBW (xxx=710, 715, 156 cells)  
DMxxxM10T-B78HBT (xxx=710, 715, 156 cells)  
DMxxxM10T-B78HSS (xxx=710, 715, 156 cells)  
DMxxxM10T-B78HBS (xxx=710, 715, 156 cells)  
DMxxxM10T-B72HBB (xxx=649, 655, 660, 144 cells)  
DMxxxM10T-B72HSW (xxx=649, 655, 660, 144 cells)  
DMxxxM10T-B72HST (xxx=649, 655, 660, 144 cells)

Continued on Page 0053

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0053

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0052

DMxxxM10T-B72HBW (xxx=649,655,660, 144 cells)  
DMxxxM10T-B72HBT (xxx=649,655,660, 144 cells)  
DMxxxM10T-B72HSS (xxx=649,655,660, 144 cells)  
DMxxxM10T-B72HBS (xxx=649,655,660, 144 cells)  
DMxxxM10T-B66HBB (xxx=600,605, 132 cells)  
DMxxxM10T-B66HSW (xxx=600,605, 132 cells)  
DMxxxM10T-B66HST (xxx=600,605, 132 cells)  
DMxxxM10T-B66HBW (xxx=600,605, 132 cells)  
DMxxxM10T-B66HBT (xxx=600,605, 132 cells)  
DMxxxM10T-B66HSS (xxx=600,605, 132 cells)  
DMxxxM10T-B66HBS (xxx=600,605, 132 cells)  
DMxxxM10T-B60HBB (xxx=545,550, 120 cells)  
DMxxxM10T-B60HSW (xxx=545,550, 120 cells)  
DMxxxM10T-B60HST (xxx=545,550, 120 cells)  
DMxxxM10T-B60HBW (xxx=545,550, 120 cells)  
DMxxxM10T-B60HBT (xxx=545,550, 120 cells)  
DMxxxM10T-B60HSS (xxx=545,550, 120 cells)  
DMxxxM10T-B60HBS (xxx=545,550, 120 cells)  
Continued on Page 0054

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50582887

**Blatt Sheet**  
0054

**Ihr Zeichen Client Reference**  
W.W.

**Unser Zeichen Our Reference**  
01-AZ-CN23GYU7 032

**Ausstellungsdatum Date of Issue**  
30.04.2024 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen Test Mark**



**Geprüft nach Tested acc. to**

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)**

**Lizenzentgelte - Einheit  
License Fee - Unit**

PV Module

Continuation of Page 0053

- DMxxxM10T-B54HBB (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HSW (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HST (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBW (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBT (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HSS (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBS (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBB-L (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HSW-L (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HST-L (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBW-L (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBT-L (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HSS-L (xxx=490,495, 108 cells)
  - DMxxxM10T-B54HBS-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B78HBB (xxx=710,715, 156 cells)
  - GHxxxM10T-B78HSW (xxx=710,715, 156 cells)
  - GHxxxM10T-B78HST (xxx=710,715, 156 cells)
  - GHxxxM10T-B78HBW (xxx=710,715, 156 cells)
- Continued on Page 0055

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0055

Ihr Zeichen *Client Reference*  
W.W.

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0054

GHxxxM10T-B78HBT (xxx=710,715, 156 cells)  
GHxxxM10T-B78HSS (xxx=710,715, 156 cells)  
GHxxxM10T-B78HBS (xxx=710,715, 156 cells)  
GHxxxM10T-B72HBB (xxx=649,655,660, 144 cells)  
GHxxxM10T-B72HSW (xxx=649,655,660, 144 cells)  
GHxxxM10T-B72HST (xxx=649,655,660, 144 cells)  
GHxxxM10T-B72HBW (xxx=649,655,660, 144 cells)  
GHxxxM10T-B72HBT (xxx=649,655,660, 144 cells)  
GHxxxM10T-B72HSS (xxx=649,655,660, 144 cells)  
GHxxxM10T-B72HBS (xxx=649,655,660, 144 cells)  
GHxxxM10T-B66HBB (xxx=600,605, 132 cells)  
GHxxxM10T-B66HSW (xxx=600,605, 132 cells)  
GHxxxM10T-B66HST (xxx=600,605, 132 cells)  
GHxxxM10T-B66HBW (xxx=600,605, 132 cells)  
GHxxxM10T-B66HBT (xxx=600,605, 132 cells)  
GHxxxM10T-B66HSS (xxx=600,605, 132 cells)  
GHxxxM10T-B66HBS (xxx=600,605, 132 cells)  
GHxxxM10T-B60HBB (xxx=545,550, 120 cells)  
Continued on Page 0056

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Angela Yao

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50582887

**Blatt Sheet**  
0056

**Ihr Zeichen Client Reference**  
W.W.

**Unser Zeichen Our Reference**  
01-AZ-CN23GYU7 032

**Ausstellungsdatum Date of Issue**  
30.04.2024 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen Test Mark**



**Geprüft nach Tested acc. to**

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)**

**Lizenzentgelte - Einheit  
License Fee - Unit**

PV Module

Continuation of Page 0055

- GHxxxM10T-B60HSW (xxx=545,550, 120 cells)
  - GHxxxM10T-B60HST (xxx=545,550, 120 cells)
  - GHxxxM10T-B60HBW (xxx=545,550, 120 cells)
  - GHxxxM10T-B60HBT (xxx=545,550, 120 cells)
  - GHxxxM10T-B60HSS (xxx=545,550, 120 cells)
  - GHxxxM10T-B60HBS (xxx=545,550, 120 cells)
  - GHxxxM10T-B54HBB (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HSW (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HST (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBW (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBT (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HSS (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBS (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBB-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HSW-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HST-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBW-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBT-L (xxx=490,495, 108 cells)
- Continued on Page 0057

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50582887

**Blatt Sheet**  
0057

**Ihr Zeichen Client Reference**  
W.W.

**Unser Zeichen Our Reference**  
01-AZ-CN23GYU7 032

**Ausstellungsdatum Date of Issue**  
30.04.2024 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

**Fertigungsstätte Manufacturing Plant**  
Refer to latest revision  
of the annex list of factories

**Prüfzeichen Test Mark**



**Geprüft nach Tested acc. to**

- IEC 61215-1:2021
- IEC 61215-1-1:2021
- IEC 61215-2:2021
- IEC 61730-1:2016
- IEC 61730-2:2016
- EN IEC 61215-1:2021
- EN IEC 61215-1-1:2021
- EN IEC 61215-2:2021
- EN IEC 61730-1:2018
- EN IEC 61730-2:2018

**Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)**

**Lizenzentgelte - Einheit  
License Fee - Unit**

PV Module

Continuation of Page 0056

- GHxxxM10T-B54HSS-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B54HBS-L (xxx=490,495, 108 cells)
  - GHxxxM10T-B48HST (xxx=429,435,440, 96 cells)
  - GHxxxM10T-B44HST (xxx=391,396,402, 88 cells)
  - GHxxxM10T-B40HST (xxx=358,363, 80 cells)
  - GHxxxM10T-B36HST (xxx=319,325,330, 72 cells)
  - DMxxxG12RT-B66HSW (xxx=649, 132 cells)
  - DMxxxG12RT-B66HBW (xxx=649, 132 cells)
  - DMxxxG12RT-B66HST (xxx=649, 132 cells)
  - DMxxxG12RT-B66HBT (xxx=649, 132 cells)
  - DMxxxG12RT-B66HBB (xxx=649, 132 cells)
  - DMxxxG12RT-B66HBS (xxx=649, 132 cells)
  - DMxxxG12RT-B66HSS (xxx=649, 132 cells)
  - GHxxxG12RT-B66HSW (xxx=649, 132 cells)
  - GHxxxG12RT-B66HBW (xxx=649, 132 cells)
  - GHxxxG12RT-B66HST (xxx=649, 132 cells)
  - GHxxxG12RT-B66HBT (xxx=649, 132 cells)
  - GHxxxG12RT-B66HBB (xxx=649, 132 cells)
- Continued on Page 0058

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Angela Yao**

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50582887

Blatt *Sheet*  
0058

Ihr Zeichen *Client Reference*  
G.Z

Unser Zeichen *Our Reference*  
01-AZ-CN23GYU7 032

Ausstellungsdatum *Date of Issue*  
30.04.2024 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Hengdian Group DMEGC Magnetics  
Co., Ltd.  
Hengdian Industrial Zone  
Dongyang City  
322118 Zhejiang  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2016  
IEC 61730-2:2016  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

## Lizenzentgelte - Einheit *License Fee - Unit*

### PV Module

Continuation of Page 0057  
GHxxxG12RT-B66HBS (xxx=649, 132 cells)  
GHxxxG12RT-B66HSS (xxx=649, 132 cells)  
xxx represents output power in Wp

Remarks:  
-Manufacturing plant update: see annex.

Continued on Page 0002

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product  
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Angela Yao

**Anlage Fertigungsstättenliste  
/Attachment List of Factories**



PV 50582887 0001

Anlagenrevision / Annex revision

3

- |  |  |
|--|--|
| <p>1 Jiangsu Dongci New Energy Technology Co., Ltd.<br/>Sihong County Economic Development Zone,<br/>Sihong County, Suqian City,<br/>Jiangsu<br/>P.R. China</p> <p>3 DMEGC SOLAR Module Factory<br/>Hengdian Industrial Zone,<br/>Dongyang City<br/>Zhejiang<br/>P.R. China</p> <p>5 Anhui Chaolong Solar Technology Co., Ltd.<br/>Weiyi Road (Near Jingshier Road),<br/>Tianchang City,<br/>239300 Anhui<br/>P.R. China</p> | <p>2 Lianyungang DMEGC New Energy Technology Co.,Ltd.<br/>No. 5 Yongan Road,<br/>Ganyu Economic Development Zone,<br/>Lianyungang City,<br/>Jiangsu<br/>P.R. China</p> <p>4 Jiangsu Focus Solar Energy Technology Co., LTD.<br/>No. 66 Lifa Avenue, Development Zone,<br/>Hai'an County, Nantong City,<br/>Jiangsu<br/>P.R. China</p> <p>6 FENGYANG JOY ENERGY TECHNOLOGY CO., LTD.<br/>No. 88 Yongqing Road,<br/>Economic Development Zone, FengYang County,<br/>Chuzhou City,<br/>Anhui<br/>P.R. China</p> |
|--|--|

Dieser Anhang ersetzt den Vorgänger vom/  
This annex replaces the previous annex dated

Datum / Date 19.04.2023



Zertifizierungsstelle  
/ Certification Body

Angela Yao