



Product Service

CERTIFICATE

No. Z2 076043 0116 Rev. 08

Holder of Certificate: **Hengdian Group DMEGC Magnetics CO., LTD**
Hengdian Industrial Zone
322118 Dongyang, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062202041-08

Valid until: 2030-08-13

Date, 2025-08-18

(Zhulin Zhang)

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Model(s):

1000V system voltage PV modules:

DMxxxM10T-78HBB, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBB, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HBB-P, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBB-P, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HSW, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HSW, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HSW-P, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HSW-P, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HBW, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBW, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HBW-P, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBW-P, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-72HBB, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBB, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HBB-P, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBB-P, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HSW, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HSW, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HSW-P, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HSW-P, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HBW, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBW, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HBW-P, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBW-P, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-66HBB, (xxx=505-560, in steps of 5,132 cells)
 GHxxxM10T-66HBB, (xxx=505-560, in steps of 5,132 cells)
 DMxxxM10T-66HBB-P, (xxx=505-560, in steps of 5,132 cells)
 GHxxxM10T-66HBB-P, (xxx=505-560, in steps of 5,132 cells)
 DMxxxM10T-66HSW, (xxx=505-560, in steps of 5,132 cells)
 GHxxxM10T-66HSW, (xxx=505-560, in steps of 5,132 cells)
 DMxxxM10T-66HSW-P, (xxx=505-560, in steps of 5,132 cells)
 GHxxxM10T-66HSW-P, (xxx=505-560, in steps of 5,132 cells)
 DMxxxM10T-66HBW, (xxx=505-560, in steps of 5,132 cells)
 GHxxxM10T-66HBW, (xxx=505-560, in steps of 5,132 cells)
 DMxxxM10T-66HBW-P, (xxx=505-560, in steps of 5,132 cells)
 GHxxxM10T-66HBW-P, (xxx=505-560, in steps of 5,132 cells)
 DMxxxG12RT-66HSW, (xxx=595-645, in steps pf 5, 132cells)
 GHxxxG12RT-66HSW, (xxx=595-645, in steps pf 5, 132cells)
 DMxxxG12RT-66HSW-P, (xxx=595-645, in steps of 5, 132cells)
 GMxxxG12RT-66HSW-P, (xxx=595-645, in steps of 5, 132cells)
 DMxxxG12RT-66HBW, (xxx=595-645, in steps pf 5, 132cells)
 GHxxxG12RT-66HBW, (xxx=595-645, in steps pf 5, 132cells)
 DMxxxG12RT-66HBW-P, (xxx=595-645, in steps of 5, 132cells)
 GMxxxG12RT-66HBW-P, (xxx=595-645, in steps of 5, 132cells)
 DMxxxG12RT-66HBB, (xxx=595-645, in steps pf 5, 132cells)
 GMxxxG12RT-66HBB, (xxx=595-645, in steps pf 5, 132cells)
 DMxxxG12RT-66HBB-P, (xxx=595-645, in steps of 5, 132cells)
 GMxxxG12RT-66HBB-P, (xxx=595-645, in steps of 5, 132cells)
 DMxxxM10RT-60HBB, (xxx=480-520, in steps of 5, 120 cells)
 GHxxxM10RT-60HBB, (xxx=480-520, in steps of 5, 120 cells)
 DMxxxM10RT-60HSW, (xxx=480-520, in steps of 5, 120 cells)
 GHxxxM10RT-60HSW, (xxx=480-520, in steps of 5, 120 cells)
 DMxxxM10RT-60HBW, (xxx=480-520, in steps of 5,120 cells)
 GHxxxM10RT-60HBW, (xxx=480-520, in steps of 5, 120 cells)
 DMxxxM10T-60HBB, (xxx=455-510, in steps of 5,120 cells)
 GHxxxM10T-60HBB, (xxx=455-510, in steps of 5,120 cells)
 DMxxxM10T-60HBB-P, (xxx=455-510, in steps of 5,120 cells)
 GHxxxM10T-60HBB-P, (xxx=455-510, in steps of 5,120 cells)
 DMxxxM10T-60HSW, (xxx=455-510, in steps of 5,120 cells)
 GHxxxM10T-60HSW, (xxx=455-510, in steps of 5,120 cells)
 DMxxxM10T-60HSW-P, (xxx=455-510, in steps of 5,120 cells)
 GHxxxM10T-60HSW-P, (xxx=455-510, in steps of 5,120 cells)
 DMxxxM10T-60HBW, (xxx=455-510, in steps of 5,120 cells)
 GHxxxM10T-60HBW, (xxx=455-510, in steps of 5,120 cells)
 DMxxxM10T-60HBW-P, (xxx=455-510, in steps of 5,120 cells)
 GHxxxM10T-60HBW-P, (xxx=455-510, in steps of 5,120 cells)
 DMxxxM10T-54HBB, (xxx=410-460, in steps of 5,108 cells)
 GHxxxM10T-54HBB, (xxx=410-460, in steps of 5,108 cells)
 DMxxxM10T-54HBB-P, (xxx=410-460, in steps of 5,108 cells)

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GHxxxM10T-54HBB-P, (xxx=410-460, in steps of 5,108 cells)
 DMxxxM10T-54HSW, (xxx=410-460, in steps of 5,108 cells)
 GHxxxM10T-54HSW, (xxx=410-460, in steps of 5,108 cells)
 DMxxxM10T-54HSW-P, (xxx=410-460, in steps of 5,108 cells)
 GHxxxM10T-54HSW-P, (xxx=410-460, in steps of 5,108 cells)
 DMxxxM10T-54HBW, (xxx=410-460, in steps of 5,108 cells)
 GHxxxM10T-54HBW, (xxx=410-460, in steps of 5,108 cells)
 DMxxxM10T-54HBW-P, (xxx=410-460, in steps of 5,108 cells)
 GHxxxM10T-54HBW-P, (xxx=410-460, in steps of 5,108 cells)
 DMxxxM10RT-54HBB, (xxx=425-470, in steps of 5,108 cells)
 GHxxxM10RT-54HBB, (xxx=425-470, in steps of 5,108 cells)
 DMxxxM10RT-54HSW, (xxx=425-470, in steps of 5,108 cells)
 GHxxxM10RT-54HSW, (xxx=425-470, in steps of 5,108 cells)
 DMxxxM10RT-54HBW, (xxx=425-470, in steps of 5,108 cells)
 GHxxxM10RT-54HBW, (xxx=425-470, in steps of 5,108 cells)
 DMxxxG12RT-54HSW, (xxx=485-530, in steps of 5, 108cells)
 GHxxxG12RT-54HSW, (xxx=485-530, in steps of 5, 108cells)
 DMxxxG12RT-54HSW-P, (xxx=485-530, in steps of 5, 108cells)
 GHxxxG12RT-54HSW-P, (xxx=485-530, in steps of 5, 108cells)
 DMxxxG12RT-54HBW, (xxx=485-530, in steps of 5, 108cells)
 GMxxxG12RT-54HBW, (xxx=485-530, in steps of 5, 108cells)
 DMxxxG12RT-54HBW-P, (xxx=485-530, in steps of 5, 108cells)
 GHxxxG12RT-54HBW-P, (xxx=485-530, in steps of 5, 108cells)
 DMxxxG12RT-54HBB, (xxx=485-530, in steps of 5, 108cells)
 GMxxxG12RT-54HBB, (xxx=485-530, in steps of 5, 108cells)
 DMxxxG12RT-54HBB-P, (xxx=485-530, in steps of 5, 108cells)
 GHxxxG12RT-54HBB-P, (xxx=485-530, in steps of 5, 108cells)
 DMxxxG12RT-48HSW, (xxx=430-470, in steps pf 5, 96cells)
 GHxxxG12RT-48HSW, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HSW-P, (xxx=430-470, in steps pf 5, 96cells)
 GHxxxG12RT-48HSW-P, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HBW, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBW, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HBW-P, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBW-P, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HBB, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBB, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HBB-P, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBB-P, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxM10RT-54HSW-L, (xxx=445-465, in steps pf 5, 108 cells)
 DMxxxM10RT-54HBW-L, (xxx=445-465, in steps pf 5, 108 cells)
 DMxxxM10RT-54HBB-L, (xxx=445-465, in steps pf 5, 108 cells)
 DMxxxM10RT-30HSW-L, (XXX=245-255, in steps pf 5, 60 cells)
 DMxxxM10RT-30HBW-L, (XXX=245-255, in steps pf 5, 60 cells)
 DMxxxM10RT-30HBB-L, (XXX=245-255, in steps pf 5, 60 cells)
 xxx is standing for the rated power at STC.

1500V System Voltage PV modules:

DMxxxM10T-78HBB-V, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBB-V, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HBB-PV, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBB-PV, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HSW-V, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HSW-V, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HSW-PV, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HSW-PV, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HBW-V, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBW-V, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-78HBW-PV, (xxx=605-665, in steps of 5,156 cells)
 GHxxxM10T-78HBW-PV, (xxx=605-665, in steps of 5,156 cells)
 DMxxxM10T-72HBB-V, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBB-V, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HBB-PV, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBB-PV, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HSW-V, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HSW-V, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HSW-PV, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HSW-PV, (xxx=550-615, in steps of 5,144 cells)
 DMxxxM10T-72HBW-V, (xxx=550-615, in steps of 5,144 cells)
 GHxxxM10T-72HBW-V, (xxx=550-615, in steps of 5,144 cells)

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DMxxxM10T-72HBW-PV, (xxx=550-615, in steps of 5,144 cells)
GHxxxM10T-72HBW-PV, (xxx=550-615, in steps of 5,144 cells)
DMxxxM10T-66HBB-V, (xxx=505-560, in steps of 5,132 cells)
GHxxxM10T-66HBB-V, (xxx=505-560, in steps of 5,132 cells)
DMxxxM10T-66HBB-PV, (xxx=505-560, in steps of 5,132 cells)
GHxxxM10T-66HBB-PV, (xxx=505-560, in steps of 5,132 cells)
DMxxxM10T-66HSW-V, (xxx=505-560, in steps of 5,132 cells)
GHxxxM10T-66HSW-V, (xxx=505-560, in steps of 5,132 cells)
DMxxxM10T-66HSW-PV, (xxx=505-560, in steps of 5,132 cells)
GHxxxM10T-66HSW-PV, (xxx=505-560, in steps of 5,132 cells)
DMxxxM10T-66HBW-V, (xxx=505-560, in steps of 5,132 cells)
GHxxxM10T-66HBW-V, (xxx=505-560, in steps of 5,132 cells)
DMxxxM10T-66HBW-PV, (xxx=505-560, in steps of 5,132 cells)
GHxxxM10T-66HBW-PV, (xxx=505-560, in steps of 5,132 cells)
DMxxxG12RT-66HSW-V, (xxx=595-645, in steps of 5,132cells)
GHxxxG12RT-66HSW-V, (xxx=595-645, in steps of 5,132cells)
DMxxxG12RT-66HSW-PV, (xxx=595-645, in steps of 5,132cells)
GHxxxG12RT-66HSW-PV, (xxx=595-645, in steps of 5,132cells)
DMxxxG12RT-66HBW-V, (xxx=595-645, in steps of 5,132cells)
GMxxxG12RT-66HBW-V, (xxx=595-645, in steps of 5,132cells)
DMxxxG12RT-66HBW-PV, (xxx=595-645, in steps of 5,132cells)
GHxxxG12RT-66HBW-PV, (xxx=595-645, in steps of 5,132cells)
DMxxxG12RT-66HBB-V, (xxx=595-645, in steps of 5,132cells)
GMxxxG12RT-66HBB-V, (xxx=595-645, in steps of 5,132cells)
DMxxxG12RT-66HBB-PV, (xxx=595-645, in steps of 5,132cells)
GHxxxG12RT-66HBB-PV, (xxx=595-645, in steps of 5,132cells)
DMxxxM10RT-60HBB-V, (xxx=480-520, in steps of 5,120 cells)
GHxxxM10RT-60HBB-V, (xxx=480-520, in steps of 5,120 cells)
DMxxxM10RT-60HSW-V, (xxx=480-520, in steps of 5,120 cells)
GHxxxM10RT-60HSW-V, (xxx=480-520, in steps of 5,120 cells)
DMxxxM10RT-60HBW-V, (xxx=480-520, in steps of 5,120 cells)
GHxxxM10RT-60HBW-V, (xxx=480-520, in steps of 5,120 cells)
DMxxxM10T-60HBB-V, (xxx=455-510, in steps of 5,120 cells)
GHxxxM10T-60HBB-V, (xxx=455-510, in steps of 5,120 cells)
DMxxxM10T-60HBB-PV, (xxx=455-510, in steps of 5,120 cells)
GHxxxM10T-60HBB-PV, (xxx=455-510, in steps of 5,120 cells)
DMxxxM10T-60HSW-V, (xxx=455-510, in steps of 5,120 cells)
GHxxxM10T-60HSW-V, (xxx=455-510, in steps of 5,120 cells)
DMxxxM10T-60HSW-PV, (xxx=455-510, in steps of 5,120 cells)
GHxxxM10T-60HSW-PV, (xxx=455-510, in steps of 5,120 cells)
DMxxxM10T-60HBW-V, (xxx=455-510, in steps of 5,120 cells)
GHxxxM10T-60HBW-V, (xxx=455-510, in steps of 5,120 cells)
DMxxxM10T-60HBW-PV, (xxx=455-510, in steps of 5,120 cells)
GHxxxM10T-60HBW-PV, (xxx=455-510, in steps of 5,120 cells)
DMxxxM10T-54HBB-V, (xxx=410-460, in steps of 5,108 cells)
GHxxxM10T-54HBB-V, (xxx=410-460, in steps of 5,108 cells)
DMxxxM10T-54HBB-PV, (xxx=410-460, in steps of 5,108 cells)
GHxxxM10T-54HBB-PV, (xxx=410-460, in steps of 5,108 cells)
DMxxxM10T-54HSW-V, (xxx=410-460, in steps of 5,108 cells)
GHxxxM10T-54HSW-V, (xxx=410-460, in steps of 5,108 cells)
DMxxxM10T-54HSW-PV, (xxx=410-460, in steps of 5,108 cells)
GHxxxM10T-54HSW-PV, (xxx=410-460, in steps of 5,108 cells)
DMxxxM10T-54HBW-V, (xxx=410-460, in steps of 5,108 cells)
GHxxxM10T-54HBW-V, (xxx=410-460, in steps of 5,108 cells)
DMxxxM10T-54HBW-PV, (xxx=410-460, in steps of 5,108 cells)
GHxxxM10T-54HBW-PV, (xxx=410-460, in steps of 5,108 cells)
DMxxxG12RT-54HSW-V, (xxx=485-530, in steps of 5,108cells)
GHxxxG12RT-54HSW-V, (xxx=485-530, in steps of 5,108cells)
DMxxxG12RT-54HSW-PV, (xxx=485-530, in steps of 5,108cells)
GHxxxG12RT-54HSW-PV, (xxx=485-530, in steps of 5,108cells)
DMxxxG12RT-54HBW-V, (xxx=485-530, in steps of 5,108cells)
GMxxxG12RT-54HBW-V, (xxx=485-530, in steps of 5,108cells)
DMxxxG12RT-54HBW-PV, (xxx=485-530, in steps of 5,108cells)
GHxxxG12RT-54HBW-PV, (xxx=485-530, in steps of 5,108cells)
DMxxxG12RT-54HBB-V, (xxx=485-530, in steps of 5,108cells)
GMxxxG12RT-54HBB-V, (xxx=485-530, in steps of 5,108cells)
DMxxxG12RT-54HBB-PV, (xxx=485-530, in steps of 5,108cells)
GHxxxG12RT-54HBB-PV, (xxx=485-530, in steps of 5,108cells)
DMxxxM10RT-54HBB-V, (xxx=425-470, in steps of 5,108 cells)
GHxxxM10RT-54HBB-V, (xxx=425-470, in steps of 5,108 cells)

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DMxxxM10RT-54HSW-V, (xxx=425-470, in steps of 5, 108 cells)
 GHxxxM10RT-54HSW-V, (xxx=425-470, in steps of 5, 108 cells)
 DMxxxM10RT-54HBW-V, (xxx=425-470, in steps of 5, 108 cells)
 GHxxxM10RT-54HBW-V, (xxx=425-470, in steps of 5, 108 cells)
 DMxxxG12RT-48HSW-V, (xxx=430-470, in steps pf 5, 96cells)
 GHxxxG12RT-48HSW-V, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HSW-PV, (xxx=430-470, in steps of 5, 96cells)
 GMxxxG12RT-48HSW-PV, (xxx=430-470, in steps of 5, 96cells)
 DMxxxG12RT-48HBW-V, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBW-V, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HBW-PV, (xxx=430-470, in steps of 5, 96cells)
 GMxxxG12RT-48HBW-PV, (xxx=430-470, in steps of 5, 96cells)
 DMxxxG12RT-48HBB-V, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBB-V, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxG12RT-48HBB-PV, (xxx=430-470, in steps pf 5, 96cells)
 GMxxxG12RT-48HBB-PV, (xxx=430-470, in steps pf 5, 96cells)
 DMxxxM10RT-54HSW-LV, (xxx=445-465, in steps pf 5, 108 cells)
 DMxxxM10RT-54HBW-LV, (xxx=445-465, in steps pf 5, 108 cells)
 DMxxxM10RT-54HBB-LV, (xxx=445-465, in steps pf 5, 108 cells)
 DMxxxM10RT-30HSW-LV, (XXX=245-255, in steps pf 5, 60 cells)
 DMxxxM10RT-30HBW-LV, (XXX=245-255, in steps pf 5, 60 cells)
 DMxxxM10RT-30HBB-LV, (XXX=245-255, in steps pf 5, 60 cells)
 xxx is standing for the rated power at STC

Parameters:

Fire Safety Class:	Class C according to UL790
Safety Class:	Class II
Max. System Voltage:	1500V DC
Test Laboratory:	Changzhou HuaYang Inspection and Testing Technology Co., Ltd. B Area on 1/F., Building 12, C Area on 4/F., and A Area on 1/F., Building 10, No. 8, Lanxiang Road, West Taihu Science and Technology Industrial Park, Changzhou Jiangsu, China
Construction:	Framed, with Junction box, cable and connectors.

Tested according to:

IEC 61215-1:2021
 IEC 61215-1-1:2021
 IEC 61215-2:2021
 IEC 61730-1:2023
 IEC 61730-2:2023
 EN IEC 61215-1-1:2021
 EN IEC 61215-1:2021
 EN IEC 61215-2:2021
 EN IEC 61730-1:2018
 EN IEC 61730-2:2018