



Product Service

CERTIFICATE

No. Z2 121862 0004 Rev. 00

Holder of Certificate: **HD HYUNDAI ENERGY SOLUTIONS CO., LTD**

477, Bundangsuseo-ro, Bundang-gu
Seongnam-si, Gyeonggi-do 13553
REPUBLIC OF KOREA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-crystalline Silicon Hetero-junction 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.: 701262410301-00

Valid until: 2029-03-20

Date, 2024-04-02

(Zhulin Zhang)

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Model(s):

210 x 105mm cell modules:

132 cells: HiT-HxxxGH (xxx=640 to 725 in step of 5)

120 cells: HiT-HxxxGG (xxx=590 to 650 in step of 5)

110 cells: HiT-HxxxGM (xxx=540 to 590 in step of 5)

182 x 91.75mm cell modules:

144 cells: HiT-HxxxOI (xxx=550 to 600 in step of 5)

108 cells: HiT-HxxxOF-BF (xxx=410 to 450 in step of 5)

108 cells: HiT-HxxxMF-FB (xxx=425 to 445 in step of 5)

108 cells: HiT-HxxxOF-BFT (xxx=410 to 440 in step of 5)

108 cells: HiT-HxxxOF-FB (xxx=420 to 440 in step of 5)

xxx stands for rated output power at STC.

The corresponding BNPI power range as follows:

All electrical data is shown as relative to this test conditions:

front side irradiance 1000 W/m^2 , backside irradiance

135 W/m^2 , 25°C , AM 1.5

210 x 105mm cell modules:

132 cells: HiT-HxxxGH (BNPI Power range: 710 to 795 in step of 5)

120 cells: HiT-HxxxGG (BNPI Power range: 655 to 715 in step of 5)

110 cells: HiT-HxxxGM (BNPI Power range: 600 to 650 in step of 5)

182 x 91.75mm cell modules:

144 cells: HiT-HxxxOI (BNPI Power range: 610 to 660 in step of 5)

108 cells: HiT-HxxxOF-BF (BNPI Power range: 455 to 495 in step of 5)

108 cells: HiT-HxxxOF-BFT

(BNPI Power range: 460 to 490 in step of 5)

108 cells: HiT-HxxxOF-FB (BNPI Power range: 465 to 485 in step of 5)

Parameters:

Construction:

Framed, with Junction box,
Cable and Connectors.

Safety Class:

Class II

Maximum System Voltage:

1500 V DC

Fire Safety Class:

Class C according to UL790

Test Laboratory:

Yangzhou Opto-Electrical Products
Testing Institute,
No. 10 West Kaifa Road, Yangzhou,
225009 Jiangsu, P. R. China.

Tested according to:

IEC 61215-1:2021

IEC 61215-1-1:2021

IEC 61215-2:2021

IEC 61730-1:2023

IEC 61730-2:2023