

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Himin Clean Energy Holdings Co., Ltd.
Sun-moon Mansion, Solar Valley Road
Dezhou City, Shandong Province, 253090
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2022-05-25

Valid until: 2025-07-19

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 22 406749 - 098

Manufacturer: see Annex 1

Test Report No.: 492012013.001

File No.: PVP04056/22P



Essen, 2022-05-25

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / *Annex 1 to Certificate No.:* **44 780 22 406749 - 098**

Aktenzeichen: / *File reference:* **PVP04056/22P**

Manufacturer:

Manufacturer: **Coded by debtor no. 55498021**
Factory inspection report no.: 862010489.002

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

Description of product(s):

Module types:	PV Modules with 6" Mono-crystalline Silicon Solar Cells: 72 cells: HG-xxx-72M (xxx = 365-380, in increment of 5) 60 cells: HG-xxx-60M (xxx = 305-315, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	1600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Module types:	PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: HG-xxx-166M/144 (xxx = 430-455, in increment of 5) 132 cells: HG-xxx-166M/132 (xxx = 395-415, in increment of 5) 120 cells: HG-xxx-166M/120 (xxx = 360-380, in increment of 5) 108 cells: HG-xxx-166M/108 (xxx = 325-340, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: HG-xxx-182M/144 (xxx = 515-540, in increment of 5) 132 cells: HG-xxx-182M/132 (xxx = 475-495, in increment of 5) 120 cells: HG-xxx-182M/120 (xxx = 430-450, in increment of 5) 108 cells: HG-xxx-182M/108 (xxx = 385-405, in increment of 5) 96 cells: HG-xxx-182M/96 (xxx = 345-360, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.