

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Guangdong Jingmei Solar Energy Co., Ltd.

No.4, phase II, Tiegang Industrial Zone, Gonghe Avenue, Gonghe Town
Heshan City, Jiangmen, Guangdong
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: 2022-05-30

Valid until: 2026-05-10

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	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 - 100
Manufacturer:	see Annex 1
Test Report No.:	492012030.001
File No.:	PVP04066/22P



Essen, 2022-05-30

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 - 100

Aktenzeichen: / File reference: PVP04066/22P

Manufacturer:

Manufacturer: **Guangdong Meisheng Energy Group Co., Ltd.**
2 Sector B, Building 1, No.1, Hongji Road, West Sector
Zhongshan, P.R. China

Factory inspection report no.: 862010540.001

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 182mm Mono-crystalline Silicon half-cut Solar Cells

144 cells: JMDxxxP-144M (xxx = 520-550, in increment of 5)
132 cells: JMDxxxP-132M (xxx = 480-505, in increment of 5)
120 cells: JMDxxxP-120M (xxx = 435-455, in increment of 5)
108 cells: JMDxxxP-108M (xxx = 390-410, in increment of 5)
96 cells: JMDxxxP-96M (xxx = 340-360, in increment of 5)
84 cells: JMDxxxP-84M (xxx = 305-320, in increment of 5)
72 cells: JMDxxxP-72M (xxx = 260-275, in increment of 5)
96 cells: JMDxxxP-96M1 (xxx = 340-360, in increment of 5)
90 cells: JMDxxxP-90M (xxx = 320-335, in increment of 5)
84 cells: JMDxxxP-84M1 (xxx = 300-315, in increment of 5)
72 cells: JMDxxxP-72M1 (xxx = 255-270, in increment of 5)
66 cells: JMDxxxP-66M (xxx = 235-245, in increment of 5)
60 cells: JMDxxxP-60M (xxx = 215-225, in increment of 5)
56 cells: JMDxxxP-56M (xxx = 200-210, in increment of 5)
48 cells: JMDxxxP-48M (xxx = 170-180, in increment of 5)
40 cells: JMDxxxP-40M (xxx = 145, 150)
36 cells: JMDxxxP-36M (xxx = 130, 135)

Maximum system voltage:	1500V
Fuse rating:	15A or 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 182mm Mono-crystalline Silicon segmented Solar Cells:
	36 cells: JMDxxxP-36M (xxx = 10, 15, 20, 30, 35, 45, 50, 65, 80, 85, 90, 105)
Maximum system voltage:	1500V
Fuse rating:	15A
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.