

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Betop(EU) Tech GmbH
Rödingsmarkt 20
Hamburg, 20459
Germany

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

Description of product (details see Annex 2):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells



Valid from: 2017-08-30

Valid until: 2022-08-29

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 19 406749 - xxx
Manufacturer: see Annex 1
Test Report No.: 492011203.002
File No.: SHV03045/20

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Essen, 2020-03-26

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1: **Suzhou Akcome Optronics Science & Technology Co., Ltd.**
Jintang Rd, Zhangjiagang Economic Development Zone
Zhangjiagang City, Jiangsu Province, 215618, P.R. China

Factory inspection report no.: 862010243.006

Manufacturer 2: **Ganzhou Akcome Optronics Science & Technology Co., Ltd.**
Jingba Industrial Zone, Jingba Town, Nankang District
Ganzhou City, Jiangxi Province, 341408, P.R. China

Factory inspection report no.: 862010369.002

Manufacturer 3: **Zhejiang Akcome Optronics Science & Technology Co., Ltd.**
Zheneng Science and Technology Industrial Park, Meishan Town
Changxing, Huzhou City, Zhejiang, P.R.China

Factory inspection report no.: 862010481.001

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 6" Mono-crystalline Silicon Solar Cells:

78 cells: SRxxx-78M (xxx = 405-420, in increment of 5);
72 cells: SRxxx-72M (xxx = 320-390, in increment of 5);
66 cells: SRxxx-66M (xxx = 310-355, in increment of 5);
60 cells: SRxxx-60M (xxx = 280-325, in increment of 5);
54 cells: SRxxx-54M (xxx = 250-290, in increment of 5);
48 cells: SRxxx-48M (xxx = 220-260, 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 half-cut 6" Mono-crystalline Silicon Solar Cells:

144 cells: SRxxx-144M (xxx = 370-415, in increment of 5);
132 cells: SRxxx-132M (xxx = 355-380, in increment of 5);
120 cells: SRxxx-120M (xxx = 310-345, 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.