

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

CSUNPOWER Technology (Nanjing) Co., Ltd.
10F, Building B4, No.19, Suyuan Avenue,
Jiangning District, Nanjing, 211106
P.R. China

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

Description of product (details see Annex 2):

PV Modules with 6" Poly-crystalline Silicon Solar Cells


PV Modules with 6" Half-cut Poly-crystalline Silicon Solar Cells



Valid from: 2020-05-12

Valid until: 2023-11-06

Tested according to: IEC 61215-1:2016;
IEC 61215-1-1:2016;
IEC 61215-2:2016;
IEC 61730-1:2016;
IEC 61730-2:2016.
Registered No.: 44 780 20 406749 - 078
Manufacturer: see Annex 1
Test Report No.: 492011294.002
File No.: PVP04101/20P



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Certification Body
Consumer Products



Essen, 2020-05-12

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 20 406749 - 078

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Aktenzeichen: / File reference: PVP04101/20P

2020-05-12

Manufacturer:

Manufacturer: **Econess Energy Co., Ltd.**
No.58, Haida Road, Huashi Town,
Jiangyin City, Jiangsu Province, 214421, P.R. China

Factory inspection report no.: 862010180.007

Remark:

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

A handwritten signature in blue ink, appearing to read "Rogers K1".

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Description of product(s):

Module types:	PV Modules with 6" Poly-crystalline Silicon Solar Cells: 72 cells: CSPxxx-72P (xxx = 300 - 350, in increments of 5) 60 cells: CSPxxx-60P (xxx = 250 - 290, in increments of 5) 54 cells: CSPxxx-54P (xxx = 225 - 260, in increments of 5) 48 cells: CSPxxx-48P (xxx = 200 - 230, in increments of 5) 36 cells: CSPxxx-36P (xxx = 150 - 175, in increments of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa (positive) 2400Pa (negative) for 40mm thickness of frame 1600Pa (negative) for 35mm thickness of frame
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 Poly-crystalline Silicon Solar Cells: 144 cells: CSP15-72PxxxW (xxx = 300 - 355, in increments of 5) 120 cells: CSP15-60PxxxW (xxx = 250 - 295, in increments of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa (positive) 2400Pa (negative) for 40mm thickness of frame 1600Pa (negative) for 35mm thickness of frame
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.

* For detailed design load of the products, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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