

# CERTIFICATE

**TÜV NORD**

**TÜV NORD CERT GmbH**  
herewith declares that

**Econess Energy Co., Ltd.**  
No.58, Haida Road, Huashi Town,  
Jiangyin City, Jiangsu Province,  
214421, 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" Mono-crystalline Silicon Solar Cells**

**PV Modules with 6" Poly-crystalline Silicon Solar Cells**

Tested according to: IEC 62716:2013  
Remark: N/A  
Registered No.: 44 780 18 406749 - 271  
Manufacturer: see Annex 1  
Test Report No.: 492011098.001  
File No.: SHV05043/18

Valid until: 2023-09-06

TÜV NORD CERT GmbH  
Certification Body  
Consumer Products



Essen, 2018-09-07

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 18 406749 - 271

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Aktenzeichen: / File reference: SHV05043/18

2018-09-07

**Manufacturer:**

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

Factory inspection report no.: 862010180.005

**Remark:**

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



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**Description of product(s):**

Module types:

**PV Modules with 6" Poly-crystalline Silicon Solar Cells:**

72 cells: EN156P-72-xxx (xxx = 300 - 350, in increments of 5)

60 cells: EN156P-60-xxx (xxx = 250 - 290, in increments of 5)

54 cells: EN156P-54-xxx (xxx = 225 - 260, in increments of 5)

48 cells: EN156P-48-xxx (xxx = 200 - 230, in increments of 5)

36 cells: EN156P-36-xxx (xxx = 150 - 175, in increments of 5)

**PV Modules with 6" Mono-crystalline Silicon Solar Cells:**

72 cells: EN156M-72-xxx (xxx = 330 - 370, in increments of 5)

60 cells: EN156M-60-xxx (xxx = 275 - 305, in increments of 5)

54 cells: EN156M-54-xxx (xxx = 245 - 275, in increments of 5)

48 cells: EN156M-48-xxx (xxx = 220 - 245, in increments of 5)

36 cells: EN156M-36-xxx (xxx = 165 - 185, in increments of 5)

Maximum system voltage: 1100V

Fuse rating: 15A

Application class: Class A

Electrical protection class: Class II

Remark:

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



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