

To / 致:

Company / 公司: Risen Energy Co., Ltd.

Contact / 联系人: Mr. Suber Yang

Email / 邮箱: yangsb@risenenergy.com

From / 自:Company / 公司: TÜV NORD (HANGZHOU)
CO., LTD. / 杭州汉德质量认证
服务有限公司

Contact / 联系人: Ms. Miley Li / 李文颖 小姐

Email / 邮箱: wli@tuv-nord.com

Subject: Announcement of cancellation

主题: 证书取消通知

File No.: PVP06056/22P-01

项目号:

License holder: **Risen Energy Co., Ltd.**持证人: Tashan Industry Zone, Meilin Town, Ninghai County
Ningbo City, Zhejiang Province, 315609, P.R. China

Certificate No.: 44 780 19 406749 - 391R11A3M13

证书号:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

产品: 晶硅光伏组件

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since 2023-04-05.
特此声明, 上述证书自 2023 年 04 月 05 日起失效。

The cancellation is due to:

取消原因:

 License holder applied for cancellation.

持证人申请取消。

 New certificate(s) (no: 44 780 19 406749 - 391R12A4M14) has (have) been issued to replace the cancelled one(s).新证书(证书号: 44 780 19 406749 - 391R12A4M14) 签发, 取代旧证书。 After the expiry date of the certificate(s), the certificate(s) has (have) not been renewed within 6 months.

证书到期 6 个月内未续证。

 After the expiry date of last factory inspection conclusion, no factory inspection has been conducted or no payment of annual fees has been received within 6 months.

上一厂检结论有效期到期后, 6 个月内未配合厂检或未支付年度费用。

 No payment of annual fees has been received within 6 month after last period of payment of annual fees.

上一证书年费支付期后, 超过 6 个月未支付证书年费。

 Others: _____

其他情况: _____

Please pay attention to stop using the invalid certificate(s) from 2023-04-05. Meanwhile, please send back the original copies of above mentioned certificate(s) to us.

请注意从 2023 年 04 月 05 日开始停止使用无效证书。同时, 请将上述证书原件寄回给我们。

TÜV NORD reserved the right of final explanation about the cancellation of certificate(s). TÜV NORD will not take any responsibility for the circumstance of misusing the invalid certificate(s) by the license holder or the manufacturer.

TÜV NORD 保留对证书取消的最终解释权。TÜV NORD 对证书持有者或制造商滥用无效证书的情况不承担任何责任。

Renewable Energy / 可再生能源

TÜV NORD (Hangzhou) Co., Ltd. / 杭州汉德质量认证服务有限公司

Miley Li / 李文颖



Technical Support / 技术支持

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Risen Energy Co., Ltd.
Meilin, Ninghai, 315609 Ningbo, Zhejiang,
PEOPLE'S REPUBLIC OF 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 until: 2026-07-26

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 62716:2013 / EN 62716:2013 + AC:2014.
Registered No.:	44 780 19 406749 - 391R12A4M14
Manufacturer:	see Annex 1
Test Report No.:	492010677.026
File No.:	PVP09106/22P-01



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Essen, 2023-04-05

Please also pay attention to the information stated overleaf.

Manufacturer:

- Manufacturer 1: **Risen Energy (CHANGZHOU) Co., Ltd.**
No.1, Shuinan Road Industrial Concentration Area, Zhixi Town, Jintan District 213251 Changzhou City, Jiangsu Province PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010430.004
- Manufacturer 2: **Risen Energy (YIWU) Co., Ltd.**
No.599, Sufu Road Suxi Town 322000 Yiwu City, Zhejiang Province PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010464.004
- Manufacturer 3: **Risen Energy (Anhui) Co., Ltd.**
No.325, East Tongling Road Economic and Technological Development Zone, 239000 Chuzhou City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010547.002
- Manufacturer 4: **Risen Energy (Ningbo) Co., Ltd.**
No.1, Middle Xingke Road Ninghai County 315609 Ningbo City, Zhejiang Province PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010656.002
- Manufacturer 5: **RISEN SOLAR TECHNOLOGY SDN. BHD.**
No.3, Jalan Hi-Tech 14, Zon Industri Fasa 4, Kulim Hi-Tech Park, 09090 Kulim, Kedah Malaysia.
Factory inspection report no.: 862010604.002
- Manufacturer 6: **Risen Energy (Baotou) Co., Ltd.**
Baotou Jinshan Industrial Park, Guyang County, Baotou City 014200 Inner Mongolia Autonomous Region PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.: 862010717.001

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" Mono-crystalline Silicon Solar Cells

72 cells: RSM72-6-xxxM (xxx=330 - 405, in increments of 5)
60 cells: RSM60-6-xxxM (xxx=275 - 340, in increments of 5)
156 cells: RSM156-6-xxxM (xxx=410 - 455, in increments of 5)
156 cells: RSM156-6-xxxMB (xxx=410 - 455, in increments of 5)
144 cells: RSM144-6-xxxM (xxx=350 - 450, in increments of 5)
144 cells: RSM144-6-xxxMB (xxx=350 - 450, in increments of 5)
132 cells: RSM132-6-xxxM (xxx=320 - 385, in increments of 5)
132 cells: RSM132-6-xxxMB (xxx=320 - 385, in increments of 5)
120 cells: RSM120-6-xxxM (xxx=295 - 375, in increments of 5)
120 cells: RSM120-6-xxxMB (xxx=295 - 350, in increments of 5)
144 cells: RSM144-7-xxxM (xxx=425 - 465, in increments of 5)
144 cells: RSM144-7-xxxMB (xxx=425 - 465, in increments of 5)
120 cells: RSM120-7-xxxM (xxx=355 - 390, in increments of 5)
120 cells: RSM120-7-xxxMB (xxx=355 - 390, in increments of 5)

Maximum system voltage: 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II

Module types:

PV Modules with 7" Mono-crystalline Silicon Solar Cells

144 cells: RSM144-9-xxxM (xxx=525 - 560, in increments of 5)
144 cells: RSM144-9-xxxMB (xxx=525 - 560, in increments of 5)
132 cells: RSM132-9-xxxM (xxx=485 - 510, in increments of 5)
132 cells: RSM132-9-xxxMB (xxx=485 - 510, in increments of 5)
120 cells: RSM120-9-xxxM (xxx=440 - 465, in increments of 5)
120 cells: RSM120-9-xxxMB (xxx=440 - 465, in increments of 5)

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II



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Module types:

PV Modules with 8" Mono-crystalline Silicon Solar Cells

150 cells: RSM150-8-xxxM (xxx=465 - 515, in increments of 5)
150 cells: RSM150-8-xxxMB (xxx=465 - 515, in increments of 5)
130 cells: RSM130-8-xxxM (xxx=430 - 455, in increments of 5)
130 cells: RSM130-8-xxxMB (xxx=430 - 455, in increments of 5)
40 cells: RSM40-8-xxxM (xxx=385 - 420, in increments of 5)
40 cells: RSM40-8-xxxMB (xxx=385 - 420, in increments of 5)
120 cells: RSM120-8-xxxM (xxx=575 - 615, in increments of 5)
120 cells: RSM120-8-xxxMB (xxx=575 - 615, in increments of 5)
110 cells: RSM110-8-xxxM (xxx=525 - 565, in increments of 5)
110 cells: RSM110-8-xxxMB (xxx=525 - 565, in increments of 5)
132 cells: RSM132-8-xxxM (xxx=635 - 675, in increments of 5)
132 cells: RSM132-8-xxxMB (xxx=635 - 675, in increments of 5)
130 cells: RSM130-8-xxxN (xxx=440-460W, in increments of 5)
130 cells: RSM130-8-xxxNB (xxx=440-460W, in increments of 5)
130 cells: RSM130-8-xxxBNTG (xxx=440-460W, in increments of 5)
120 cells: RSM40-8-xxxN (xxx=405-425W, in increments of 5)
120 cells: RSM40-8-xxxNB (xxx=405-425W, in increments of 5)
120 cells: RSM40-8-xxxBNTG (xxx=405-425W, in increments of 5)

Maximum system voltage:

1500V

Fuse rating:

20A or 30A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 7" Mono-crystalline Silicon Solar Cells

144 cells: RSM144-9-xxxN (xxx=555 - 590, in increments of 5)
120 cells: RSM120-9-xxxN (xxx=460 - 490, in increments of 5)
108 cells: RSM108-9-xxxN (xxx=415 - 440, in increments of 5)
108 cells: RSM108-9-xxxNB (xxx=415 - 435, in increments of 5)

Maximum system voltage:

1500V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II

Module types:

PV Modules with 7" Mono-crystalline Silicon Solar Cells

144 cells: RSM144-10-xxxN (xxx=575 - 605, in increments of 5)
120 cells: RSM120-10-xxxN (xxx=480 - 505, in increments of 5)



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108 cells: RSM108-10-xxxN (xxx=430 - 455, in increments of 5)
108 cells: RSM108-10-xxxNB (xxx=430 - 450, in increments of 5)

Maximum system voltage: 1500V
Fuse rating: 25A
Application class: Class A
Electrical protection class: Class II

Module types: **PV Modules with 6" Poly-crystalline Silicon Solar Cells:**
72 cells: RSM72-6-xxxP (xxx=315 - 355 in increments of 5)
60 cells: RSM60-6-xxxP (xxx=260 - 295, in increments of 5)
144 cells: RSM144-6-xxxP (xxx=330 - 365, in increments of 5)
120 cells: RSM120-6-xxxP (xxx=275 - 305, in increments of 5)

Maximum system voltage: 1500V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types: **PV Modules with 6" Cast Mono-crystalline Silicon Solar Cells:**
72 cells: RSM72-6-xxxP (xxx=360 - 395, in increments of 5)
60 cells: RSM60-6-xxxP (xxx=300 - 330, in increments of 5)
144 cells: RSM144-6-xxxP (xxx=370 - 400, in increments of 5)
132 cells: RSM132-6-xxxP (xxx=340 - 370, in increments of 5)
120 cells: RSM120-6-xxxP (xxx=310 - 335, in increments of 5)

Maximum system voltage: 1500V
Fuse rating: 20A
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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