

**To / 致:**

Company / 公司: Risen Energy Co., Ltd.

Contact / 联系人: Mr. Yang Shubo

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. Serena.Wu/ 邬玉婷 小姐

Email / 邮箱: sewu@tuv-nord.com

Subject: Announcement of cancellation

主题: 证书取消通知

File No.: PVP08109/24P

项目号:

License holder: Risen Energy Co., Ltd.

持证人:

Certificate No.: 44 780 19 406749 - 327R22A7M30

证书号:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

产品: 地面用晶体硅光伏组件

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since 2024-12-25.

特此声明, 上述证书自 2024 年 12 月 25 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 - 327R22A7M31) has (have) been issued to replace the cancelled one(s).

新证书(证书号: 44 780 19 406749 - 327R22A7M31) 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 2024-12-25. Meanwhile, please send back the original copies of above mentioned certificate(s) to us.

请注意从 2024 年 12 月 25 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 (Hangzhou) Co., Ltd.
杭州汉德质量认证服务有限公司
Member of TÜV NORD Group
TÜV NORD 集团成员之一

Room 217, Building 17, No.57 Kejiyuan Road,
Baiyang Street, HEDA
Hangzhou, Zhejiang Province, 310018, China
浙江省杭州经济技术开发区白杨街道
科技园路 57 号 17 幢 217 室, 310018

Tel / 电话:
+86 (0)571 85386989
Fax / 传真:
+86 (0)571 85386986

Website / 网站:
www.tuv-nord.com
www.tuv-nord.com/cn
www.tuev-nord-cert.de



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

Serena.Wu/ 邬玉婷

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 from: 2024-12-25

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 - 327R22A7M31
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492010678.037
File No.:	PVP03161/24P



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Essen, 2024-12-25

Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

Manufacturer:	Risen Energy Co., Ltd. Meilin, Ninghai, 315609 Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
Factory 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.:	862010430.005
Factory 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.:	862010464.006
Factory 3:	Risen Energy (Chuzhou) Co., Ltd. No.325, East Tongling Road, 239000 Chuzhou City Anhui, China
Factory inspection report no.:	862010547.004
Factory 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.:	862010656.004
Factory 5:	RISEN SOLAR TECHNOLOGY SDN. BHD. NO 3, JALAN HI-TECH 14, ZON INDUSTRI FASA 4 KULIM HI-TECH PARK 09090 KULIM, KEDAH DARUL AMAN MALAYSIA
Factory inspection report no.:	862010604.003
Factory 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.:	862010717.003



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Factory 7: **Risen Solar (Ningbo) Technology Co., Ltd.**
No. 5, Jinhai East Road, Binhai New Area Ninghai 315602 Ningbo City,
Zhejiang Province PEOPLE'S REPUBLIC OF CHINA

Factory inspection report no.: 862010814.002

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

72 cells: RSM72-6-xxxPDG (xxx=315 - 360, increments of 5)
60 cells: RSM60-6-xxxPDG (xxx=265 - 300, increments of 5)
144 cells: RSM144-6-xxxPDG (xxx=330 - 365, increments of 5)
120 cells: RSM120-6-xxxPDG (xxx=275 - 305, increments of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with 6" Mono-crystalline Silicon Solar Cells:**

72 cells: RSM72-6-xxxMDG (xxx=315 - 385, increments of 5)
60 cells: RSM60-6-xxxMDG (xxx=265 - 320, increments of 5)
144 cells: RSM144-6-xxxMDG (xxx=350 - 415, increments of 5)
132 cells: RSM132-6-xxxMDG (xxx=320 - 380, increments of 5)
120 cells: RSM120-6-xxxMDG (xxx=295 - 350, increments of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with 6" Mono p-type Bifacial Solar Cells:**

72 cells: RSM72-6-xxxBMDG (xxx=340 - 385, increments of 5)
60 cells: RSM60-6-xxxBMDG (xxx=280 - 325, increments of 5)
144 cells: RSM144-6-xxxBMDG (xxx=360 - 455, increments of 5)
144 cells: RSM144-7-xxxBMDG (xxx=425 - 455, increments of 5)
144 cells: RSM144-7-xxxBMDGZ (xxx=425 - 455, increments of 5)
132 cells: RSM132-6-xxxBMDG (xxx=330 - 420, increments of 5)
132 cells: RSM132-7-xxxBMDG (xxx=390 - 420, increments of 5)
132 cells: RSM132-7-xxxBMDGZ (xxx=390 - 420, increments of 5)
120 cells: RSM120-6-xxxBMDG (xxx=300 - 380, increments of 5)
120 cells: RSM120-7-xxxBMDG (xxx=355 - 380, increments of 5)
120 cells: RSM120-7-xxxBMDGZ (xxx=355 - 380, increments of 5)

Remark: The power parameter included in the module types only

	indicates maximum power output of front side.
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	20A or 25A
Electrical protection class:	Class II
Module types:	Double Glass PV Modules with 7" Mono p-type Bifacial Solar Cells: 144 cells: RSM144-9-xxxBMDG (xxx=520 - 560, increments of 5) 132 cells: RSM132-9-xxxBMDG (xxx=480 - 510, increments of 5) 120 cells: RSM120-9-xxxBMDG (xxx=435 - 465, increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	20A or 25A
Electrical protection class:	Class II
Module types:	Double Glass PV Modules with 8" Mono p-type Bifacial Solar Cells: 150 cells: RSM150-8-xxxBMDG (xxx=465 - 510, increments of 5) 90 cells: RSM90-8-xxxBMDG (xxx=285 - 300, increments of 5) 132 cells: RSM132-8-xxxBMDG (xxx=635 - 675, increments of 5) 120 cells: RSM120-8-xxxBMDG (xxx=560 - 615, increments of 5) 110 cells: RSM110-8-xxxBMDG (xxx=525 - 565, increments of 5) 80 cells: RSM80-8-xxxBMDG (xxx=380 - 405, increments of 5) 264 cells: RSM264-8-xxxBMDG (xxx=645 to 670, increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A or 35A
Electrical protection class:	Class II
Module types:	Double Glass PV Modules with 6" Mono n-type Bifacial Solar Cells: 156 cells: RSM156-6-xxxBHDG (xxx=435 - 465, increments of 5) 144 cells: RSM144-6-xxxBHDG (xxx=400 - 430, increments of 5) 144 cells: RSM144-6-xxxHDGB (xxx=400 - 430, increments of 5) 132 cells: RSM132-6-xxxBHDG (xxx=365 - 390, increments of 5)



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132 cells: RSM132-6-xxxHDGB (xxx=365 - 390, increments of 5)
120 cells: RSM120-6-xxxBHDG (xxx=330 - 360, increments of 5)
120 cells: RSM120-6-xxxHDGB (xxx=330 - 360, increments of 5)
Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V
Maximum overcurrent protection rating: 20A or 25A
Electrical protection class: Class II

Module types: **Double Glass PV Modules with 8" Mono n-type Bifacial Solar Cells:**

132 cells: RSM132-8-xxxBNDG (xxx=665 - 720, increments of 5)
120 cells: RSM120-8-xxxBNDG (xxx=605 - 635, increments of 5)
110 cells: RSM110-8-xxxBNDG (xxx=550 - 580, increments of 5)
132 cells: RSM132-8-xxxBHDG (xxx=630 - 745, increments of 5)
120 cells: RSM120-8-xxxBHDG (xxx=590 - 655, increments of 5)
110 cells: RSM110-8-xxxBHDG (xxx=540 - 620, increments of 5)
Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V
Maximum overcurrent protection rating: 35A
Electrical protection class: Class II

Module types: **Double Glass PV Modules with 7" Mono n-type Bifacial Solar Cells:**

156 cells: RSM156-9-xxxBNDG (xxx=600 - 645, increments of 5)
144 cells: RSM144-9-xxxBNDG (xxx=550 - 595, increments of 5)
120 cells: RSM120-9-xxxBNDG (xxx=455 - 495, increments of 5)
108 cells: RSM108-9-xxxBNDG (xxx=410 - 445, increments of 5)
108 cells: RSM108-9-xxxNDGB (xxx=410 - 435, increments of 5)
108 cells: RSM108-9-xxxNDG (xxx=410 - 445, increments of 5)
Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V
Maximum overcurrent protection rating: 30A
Electrical protection class: Class II



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Module types: **Double Glass PV Modules with 7" Mono n-type Bifacial Solar Cells:**
144 cells: RSM144-10-xxxBNDG (xxx=570 - 630, increments of 5)
120 cells: RSM120-10-xxxBNDG (xxx=475 - 525, increments of 5)
108 cells: RSM108-10-xxxBNDG (xxx=425 - 475, increments of 5)
108 cells: RSM108-10-xxxNDGB (xxx=425 - 465, increments of 5)
108 cells: RSM108-10-xxxNDG (xxx=425 - 460, increments of 5)
Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 30A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with 7" Mono n-type Bifacial Solar Cells:**
132 cells: RSM132-11-xxxBNDG (xxx=600-635, increments of 5)
108 cells: RSM108-11-xxxBNDG (xxx=495-515, increments of 5)
96 cells: RSM96-11-xxxBNDG (xxx=440-460, increments of 5)
Remark: The power parameter included in the module types only indicates maximum power output of front side.

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 35A

Electrical protection class: Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form).