ISO14064-1

WIT ASSESSMENT

萬泰認證

温室气体排放核查声明

以下组织的温室气体盘查报告，已由WIT依据ISO14064-3:2019的要求进行核查，确认其满足核查准则要求，达到合理保证等级且满足实质性要求。

东方日升新能源股份有限公司

地址：浙江省宁波市宁海县梅林街道七星北路161号12幢2楼
（核查陈述中出现的所有分支机构地址见附页）

1、该组织GHG陈述发布日期：2026年03月25日 版本号：V2.0

2、该组织GHG陈述所覆盖的时段：2025年01月01日至2025年12月31日

3、核查准则：ISO14064-1:2018

4、组织边界：组织按照运营控制权原则确定的位于浙江省宁波市宁海县梅林街道七星北路161号12幢2楼的东方日升新能源股份有限公司所有产生GHG排放和清除量的设施。

5、经营及活动范围：光伏设备及元器件、单晶硅的方棒及拉晶的生产和销售活动

6、包含的温室气体种类：■CO_2 ■CH_4 ■N_2O ■HFCs □PFCs ■SF_6 □ NF_3

7、组织的GHG排放量4231332.61 tCO_2e，抵扣量0.00 tCO_2e，清除量0.00tCO_2e，抵消量0.00 tCO_2e，具体如下：

类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
11109.20	141095.16	94782.56	3857956.84	126388.84	/	4231332.61

8、核查目的、保证等级、实质性、GHG声明的目标用户等详细信息参见本核查声明附录，附录为本核查声明的组成部分。

发证日期：2026年04月16日　　证 书 号：15/WITGHG2026108

ISO14064-1

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

CNAS

中国认可
国际互认
环境信息
ENVIRONMENTAL INFORMATION
CNAS VV010-EI

总经理

杭州万泰认证有限公司
杭州市江虹路1750号信雅达国际创意中心A幢14层

ISO14064-1

WIT ASSESSMENT

萬泰認證

温室气体排放核查声明附录

1、角色和责任

东方日升新能源股份有限公司（下文称作“责任方”）的管理者负责组织的温室气体信息系统，依据该系统建立和维护记录及报告程序，包括计算和决定温室气体排放信息及报告的排放量。

WIT对责任方提供的报告期的温室气体声明做出独立的温室气体核查意见。WIT于2026年03月16-18日（核查日期）依据ISO14064-3:2019要求对责任方提供的温室气体声明符合ISO14064-1:2018的要求进行了第三方核查。

核查是基于委托方与WIT于2025年9月23日（合同日期）商定的核查范围、目标和准则。

2、核查目的

通过客观证据审查确认责任方温室气体声明的真实性，确认温室气体声明所述的数据符合相关性、准确性、完整性、一致性、透明性的原则，且无实质性错误或遗漏。

3、涉及领域及类别

02一般制造（将材料或物质通过物理或化学方式转化为新产品）；

06 采矿和矿物生产

4、保证等级

商定的保证等级为合理保证。

5、实质性限值

基于温室气体声明的预期用户的需求，本次核查的实质性限值为5%。

6、GHG声明目标用户

受核查方经营及活动范围涉及的利益相关方。

发证日期：2026年04月16日　　证 书 号：15/WITGHG2026108

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WIT ASSESSMENT

萬泰認證

副本

温室气体排放核查声明

证书附页1

东方日升新能源股份有限公司

经核查陈述中出现的所有分支机构的地址如下：

序号	场所名称	场所地址	认证范围
1	东方日升新能源股份有限公司	中国浙江省宁海县梅林街道塔山工业园区	光伏设备及元器件、单晶硅的方棒及拉晶的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
2	东方日升（宁波）新材料有限公司	中国浙江省宁海县梅林街道塔山工业园区	光伏材料（铝合金边框、钢边框、接线盒、涂锡铜带）的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
3	东方日升（宁波）新能源有限公司	中国浙江省宁波市宁海县兴科中路23号	太阳能晶体硅组件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
4	东方日升（常州）新能源有限公司	中国江苏省常州市金坛区直溪镇工业集中区水南路1号	光伏设备及元器件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
5	东方日升（江苏）新能源有限公司	中国江苏省常州市金坛区直溪镇工业集中区水南路1号	太阳能晶体硅电池片的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
6	东方日升（安徽）新能源有限公司	中国安徽省滁州市铜陵东路325号	太阳能晶体硅电池片的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
7	东方日升（滁州）新能源有限公司	中国安徽省滁州市铜陵东路325号	太阳能晶体硅组件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
8	东方日升（义乌）新能源有限公司	中国浙江省义乌市苏溪镇苏福路599号	太阳能晶体硅组件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
9	东方日升（包头）新能源有限公司	中国内蒙古自治区包头市固阳县包头金山工业园区	太阳能晶体硅组件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
10	东方日升（包头）新材料有限公司	中国内蒙古自治区包头市固阳县包头金山工业园区	单晶硅的方棒、拉晶的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
11	东方日升（洛阳）新能源有限公司	中国河南省偃师市工业区	太阳能光伏电池片的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
12	RISEN SOLAR TECHNOLOGY SDN. BHD.	No. 3, Jalan Hi-Tech 14, Industrial Zone Phase 4, Kulim Hi Tech Park, 09090 Kulim, Kedah Darul Aman, Malaysia.	太阳能晶体硅组件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
13	东方日升（宁波）光伏科技有限公司	中国浙江省宁波市宁海县宁波南部滨海新区创新东路1号	太阳能晶体硅组件的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
14	东方日升（宁波）半导体有限公司	中国浙江省宁波市宁海县宁波南部滨海新区创新东路1号楼	硅棒、硅片的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。
15	双一力（天津）电池有限公司	中国天津经济技术开发区第九大街丰华工业园二期11号	动力型锂离子电池的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）
16	双一力（宁波）电池有限公司	中国浙江省宁波市宁海县梅林街道兴科中路23号1号楼三楼	锂离子电池包的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）
17	浙江双宇电子科技有限公司	中国浙江省宁波市宁海县桃源街道下洋路5号	接线盒、出口用LED灯、太阳能灯具、太阳能组件、太阳能组件系统、光伏材料（铝合金边框、涂锡铜带、连接器、支架）的生产和销售活动所涉及的直接温室气体排放（范围1）、能源间接温室气体排放（范围2）和其他间接温室气体排放（范围3）。

副本

WIT ASSESSMENT

萬泰認證

ISO14064-1

温室气体排放核查声明

证书附页2

东方日升新能源股份有限公司

经核查陈述中出现的各分支机构温室气体排放核查声明如下：

东方日升新能源股份有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
289.81	5280.45	45073.61	2022618.53	83121.23	/	2156383.63

东方日升（宁波）新材料有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
205.96	2761.61	115.45	35043.52	/	/	38126.54

东方日升（宁波）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
747.94	11118.41	5869.35	246812.59	2406.84	/	266955.13

东方日升（常州）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
695.38	121.29	16804.25	151058.92	24109.59	/	192789.42

副本

WIT ASSESSMENT

萬泰認證

ISO14064-1

温室气体排放核查声明

证书附页3

东方日升新能源股份有限公司

经核查陈述中出现的各分支机构温室气体排放核查声明如下：

东方日升（江苏）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
1443.39	34289.07	618.16	111304.12	/	/	147654.74

东方日升（安徽）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
2930.75	18429.11	1716.55	15973.87	2979.87	/	42030.15

东方日升（滁州）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
126.38	2950.45	1623.35	55954.03	1390.14	/	62044.34

东方日升（义乌）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
270.15	7231.77	8236.57	175041.77	6215.80	/	196996.06

副本

WIT ASSESSMENT

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温室气体排放核查声明

证书附页4

东方日升新能源股份有限公司

经核查陈述中出现的各分支机构温室气体排放核查声明如下：

东方日升（包头）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
46.17	7727.37	6621.90	149630.20	0.00	/	164025.64

东方日升（包头）新材料有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
2.42	629.80	128.82	60.52	0.00	/	821.56

东方日升（洛阳）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
0.26	77.46	0.58	6.19	/	/	84.49

RISEN SOLAR TECHNOLOGY SDN. BHD.						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
988.40	2147.78	7.76	132.51	/	/	3276.45

副本

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温室气体排放核查声明

证书附页5

东方日升新能源股份有限公司

经核查陈述中出现的各分支机构温室气体排放核查声明如下：

东方日升（宁波）光伏科技有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
2901.64	41468.86	6296.75	378500.59	/	/	429167.85

东方日升（宁波）半导体有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
34.77	0.00	0.19	/	/	/	34.97

双一力（天津）新能源有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
10.12	2831.01	138.08	218.58	0.04	/	3197.83

双一力（宁波）电池有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
260.50	2151.11	983.40	52486.30	6162.23	/	62043.54

ISO14064-1

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温室气体排放核查声明

证书附页6

东方日升新能源股份有限公司

经核查陈述中出现的各分支机构温室气体排放核查声明如下：

浙江双宇电子科技有限公司						
类别1	类别2	类别3	类别4	类别5	类别6	GHG排放总量（tCO_2e）
直接GHG排放（tCO_2e）	源自输入能源的间接GHG排放（tCO_2e）	源自交通的间接GHG排放（tCO_2e）	源自组织使用的产品的间接GHG排放（tCO_2e）	与使用组织产品相关的间接GHG排放（tCO_2e）	源自其他排放源的间接GHG排放（tCO_2e）	
155.17	1879.62	547.79	463114.60	3.11	/	465700.29

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Greenhouse Gases Emissions Verification Statement

The GHG inventory report of the following organizations have been verified by WIT in accordance with the requirements of ISO14064-3:2019 to confirm that they meet the requirements of the verification guidelines, achieve the reasonable assurance level and meet the materiality requirements.

RISEN ENERGY CO., LTD.

Registered Address: Tashan Industry Zone, Meilin Street, Ninghai, Ningbo, P.R. China (Please refer to the attached page for all branch addresses mentioned in the verification statement)

1. GHG statement released date: Mar.25th, 2026 (Rev: V2.0)
2. GHG statement based on a specific period: from Jan.1st 2025 to Dec.31st 2025,
3. Verification criteria: ISO 14064-1:2018
4. Organizational boundary: All GHG emission and removal facilities of RISEN ENER -GY CO., LTD. located in Tashan Industry Zone, Meilin Street, Ninghai, Ningbo, P.R. China.The organization boundary is determined by the organization in accordan ce with the principle of operational control.
5. Business and activities: production and sales of photovoltaic equipment and compo -nents, square rod and crystal pulling of single crystal silicon
6. Types of greenhouse gases included: ■CO_2■CH_4■N_2O■HFCs□PFCs■SF_6□NF_3
7. GHG emissions 4231332.61 tCO_2e, GHG deductions 0.00 tCO_2e, GHG removals 0.00 tCO_2e, GHG offsets 0.00 tCO_2e, The details are as follows:

Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
11109.20	141095.16	94782.56	3857956.84	126388.84	/	4231332.61

8. The verification purpose, assurance level, materiality, and target users of theGHG Verification Statement are detailed in the Appendix, which is an integral part of this Verification Statement.

Certification Date: Apr.16,2026

Certificate No.: 15/WITGHG2026108

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Wangxiaodong

General Manager,Wang Xiaodong

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Greenhouse Gases Emissions Verification Statement Appendix

1. Roles and responsibilities

The management of RISEN ENERGY CO., LTD.(Hereinafter referred to as the"Re-sponsible Party") is responsible for the GHG information system of the organizati-on, the recording and reporting procedures are established and maintained accord-ing to the system, including the calculation and determination of GHG emission information and reported emissions.

WIT provides an independent GHG verification opinion on GHG statement provid-ed by the Responsible Party during the reporting period.

According to the ISO14064-3:2019, WIT conducted a third party verification on whe-ther the GHG statement provided by the Responsible Party were in compliance with ISO14064-1:2018 on Mar.16-18th, 2026 (verification date).

The verification is conducted based on the verification scope, objectives and criteria agreed between the Principal and WIT on Sept.23rd, 2025 (contract date).

2. Purpose of verification

Verify the authenticity of the GHG declaration by the responsible party through an objective evidence review, and confirm that the data stated in the GHG declaration conforms to the principles of relevance, accuracy, completeness, consistency and transparency, and is free from material errors or omissions.

3. Relevant industry and category

02 General Manufacturing (physical or chemicaltransformation of materials or substances into new products);

06 Mining and Mineral Production

4. Assurance level

The agreed assurance level is reasonable assurance

5. Materiality limit

Based on the demand of the expected users of the GHG statement, the materiality limit for this verification is 5%.

6. Target users of the GHG statement

Relevant stakeholders involved in the operations and activities of the Responsible Party.

Certification Date: Apr.16,2026

Certificate No.: 15/WITGHG2026108

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中国认可
国际互认
环境信息
ENVIRONMENTAL INFORMATION
CNAS VV010-EI

Wangxiaodong

General Manager,Wang Xiaodong

Hangzhou WIT Assessment Co.,Ltd.
14 F, Building A, International Sunyard, No.1750 Jianghong Avenue, Binjiang District, Hangzhou

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Appendix to Certificate 1

RISEN ENERGY CO., LTD.

Locations included in the certification are as follows:

Serial Number	Site Name	Site Address	organization boundary
1	RISEN ENERGY CO., LTD.	Tashan Industry Zone, Meilin Street, Ninghai, Ningbo, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of photovoltaic equipment and components, square rod and crystal pulling of single crystal silicon.
2	RISEN MATERIAL (NINGBO) CO., LTD.	Tashan Industry Zone, Meilin Street, Ninghai, Ningbo, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of Photovoltaic materials(aluminum alloy frame, steel frames, jurction box, tin coated copper strip).
3	RISEN ENERGY (NINGBO) CO., LTD.	No.23, Middle Xingke Road, Ninghai County, Ningbo City, Zhejiang Province, P. R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
4	RISEN ENERGY (CHANGZHOU) CO., LTD.	No.1 Shuinan Road, Industrial Concentration Zone, Zhixi Town, Jintan District, Changzhou City, Jiangsu Provinc, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of photovoltaic equipment and components.
5	RISEN ENERGY (JIANGSU) CO., LTD.	No. 1, Shuinan Road, Industrial Concentration Zone, Zhixi Town, Jintan District, Changzhou City, Jiangsu Provinc, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
6	RISEN ENERGY (ANHUI) CO., LTD.	No.325 Tongling East Road, Chuzhou City, Anhui Province, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
7	RISEN ENERGY (CHUZHOU) CO., LTD.	No.325 Tongling East Road, Chuzhou City, Anhui Province, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
8	RISEN ENERGY (YIWU) CO., LTD.	No.599 Sufu Road, Suxi Town, Yiwu City, Zhejiang Province, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
9	RISEN ENERGY (BAOTOU) CO., LTD.	Baotou Jinshan Industrial Park, Guyang County, Baotou City, Inner Mongolia Autonomous Region, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
10	RISEN MATERIAL (BAOTOU) CO.,LTD.	Baotou Jinshan Industrial Park, Guyang County, Baotou City, Inner Mongolia Autonomous Region, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of square rod and crystal pulling of single crystal silicon.
11	RISEN ENERGY (LUOYANG) CO., LTD.	Industrial Zone, Yanshi City, Henan Province, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
12	RISEN SOLAR TECHNOLOGY SDN. BHD.	Number 3, Jalan Hi-Tech 14, Industrial Zone Phase 4, Kulim Hi Tech Park,09090 Kulim, Kedah Darul Aman, Malaysia	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.
13	RISEN SOLAR (NINGBO) TECHNOLOGY CO., LTD.	No. 1, Chuangxin East Road, Binhai New Area, Ningbo South, Ninghai County, Ningbo City, Zhejiang Province, P.R. Chin	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of crystalline silicon PV modules.

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Energy Management System Certificate

Appendix to Certificate 2

RISEN ENERGY CO., LTD.

Locations included in the certification are as follows:

序号	场所名称	场所地址	认证范围
14	RISEN (NINGBO) SEMICSONDUCTOR CO.. LTD	Building 1, No. 1, Chuangxin East Road, Binhai New Area, Ningbo South, Ninghai County, Ningbo City, Zhejiang Province, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of silicon rod and silicon wafer.
15	SYL (TIANJIN) ENERGY CO., LTD.	No. 11, Phase II of Fenghua Industrial Zone, Ninth Avenue, Tianjin Economic-Technological Development Area, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of motive type lithium ion lithium-ion battery.
16	SYL (NINGBO) BATTERY CO.,LTD.	Building 1, No.23, Xingke Middle Road, Meilin Street, Ninghai County, Ningbo City, Zhejiang, P,R.china, P.R. China	The direct greenhouse gas emissions (Scope 1), energy indirect greenhouse gas emissions (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the production and sales of lithium battery pack.
17	Zhejiang Twinsel Electronic Technology CO., LTD.	No. 5, Xiayang Road, Taoyuan Sub-district, Ninghai County, Ningbo City, Zhejiang Province, P.R. China	The direct greenhouse gas emissions (Scope 1), indirect greenhouse gas emissions from energy sources (Scope 2), and other indirect greenhouse gas emissions (Scope 3) involved in the design of junction boxes, LED lights for export, solar lighting fixtures, as well as the production and sales activities of solar modules, solar module systems, and photovoltaic materials (aluminum alloy frames, tinned copper strips, connectors, brackets).

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Appendix to Certificate 3

RISEN ENERGY CO., LTD.

Greenhouse Gas Emissions Verification Statement for Indivi -dual Branches :

RISEN ENERGY CO.,LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
289.81	5280.45	45073.61	2022618.53	83121.23	/	2156383.63

RISEN (NINGBO) NEW MATERIAL CO.,LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
205.96	2761.61	115.45	35043.52	/	/	38126.54

RISEN ENERGY (NINGBO) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
747.94	11118.41	5869.35	246812.59	2406.84	/	266955.13

RISEN ENERGY (CHANGZHOU) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
695.38	121.29	16804.25	151058.92	24109.59	/	192789.42

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Energy Management System Certificate

Appendix to Certificate 4

RISEN ENERGY CO., LTD.

Greenhouse Gas Emissions Verification Statement for Indivi -dual Branches :

RISEN ENERGY (JIANGSU) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
1443.39	34289.07	618.16	111304.12	/	/	147654.74

RISEN ENERGY (ANHUI) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
2930.75	18429.11	1716.55	15973.87	2979.87	/	42030.15

RISEN ENERGY (CHUZHOU) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
126.38	2950.45	1623.35	55954.03	1390.14	/	62044.34

RISEN ENERGY (YIWU) CO.,LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
270.15	7231.77	8236.57	175041.77	6215.80	/	196996.06

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Energy Management System Certificate

Appendix to Certificate 5

RISEN ENERGY CO., LTD.

Greenhouse Gas Emissions Verification Statement for Indivi -dual Branches :

RISEN ENERGY (BAOTOU) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
46.17	7727.37	6621.90	149630.20	/	/	164025.64

RISEN MATERIAL (BAOTOU) CO.,LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
2.42	629.80	128.82	60.52	/	/	821.56

RISEN ENERGY (LUOYANG) CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
0.26	77.46	0.58	6.19	/	/	84.49

RISEN SOLAR TECHNOLOGY SDN. BHD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Total GHG emissions (tCO_2e)
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	
988.40	2147.78	7.76	132.51	/	/	3276.45

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Energy Management System Certificate

Appendix to Certificate 6

RISEN ENERGY CO., LTD.

Greenhouse Gas Emissions Verification Statement for Indivi -dual Branches :

RISEN SOLAR (NINGBO) TECHNOLOGY CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	Total GHG emissions (tCO_2e)
2901.64	41468.86	6296.75	378500.59	/	/	429167.85

RISEN (NINGBO) SEMICSONDUCTOR CO.. LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	Total GHG emissions (tCO_2e)
34.77	0.00	0.19	/	/	/	34.97

SYL (TIANJIN) ENERGY CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	Total GHG emissions (tCO_2e)
10.12	2831.01	138.08	218.58	0.04	/	3197.83

SYL (NINGBO) BATTERY CO.,LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	Total GHG emissions (tCO_2e)
260.50	2151.11	983.40	52486.30	6162.23	/	62043.54

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Energy Management System Certificate

Appendix to Certificate 7

RISEN ENERGY CO., LTD.

Greenhouse Gas Emissions Verification Statement for Indivi -dual Branches :

ZHEJIANG TWINSEL ELECTRONIC TECHNOLOGY CO., LTD.						
Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	
Direct GHG emissions (tCO_2e)	Indirect GHG emissions from imported energy (tCO_2e)	Indirect GHG emissions from transportation (tCO_2e)	Indirect GHG emissions from products used by organization (tCO_2e)	Indirect GHG emissions associated with the use of products from the organization (tCO_2e)	Indirect GHG emissions from other sources (tCO_2e)	Total GHG emissions (tCO_2e)
155.17	1879.62	547.79	463114.60	3.11	/	465700.29