

**Organization**

组织

Trina Solar Co., Ltd. (Headquarter).

No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, 213031

天合光能股份有限公司（总部）

江苏省常州市新北区天合光伏产业园天合路 2 号邮编 213031

**Opinion No.**

声明号

CFV 805960 15042024**GHG Statement**

温室气体声明文件

2023 年度温室气体排放报告 20240329

2023 年度 GHG 清册 2024020329

**Level of Assurance**

保证等级

Reasonable

合理

**Materiality**

实质性水平

5%

**Reporting Period**

报告期间

2023 年 1 月 1 日-2023 年 12 月 31 日

**Criteria**

核查准则

ISO 14064-1:2018

**Carbon Footprint**

碳足迹

23562950.19 tonnes CO<sub>2</sub>(e) 吨二氧化碳当量—Location Based 基于位置**Carbon Footprint**

碳足迹

23525356.08 tonnes CO<sub>2</sub>(e) 吨二氧化碳当量—Market Based 基于市场**Conclusion**

结论

**Verified as Satisfactory**

无保留核查意见

Based on the processes and procedures conducted it is concluded that the GHG statement 根据所实施的过程和程序，温室气体声明的结论是：

- is materially correct and is a fair representation of GHG data and information.  
温室气体数据及信息是实质性正确并公正表达
- has been prepared in accordance with ISO 14064-1:2018 and its principles.  
是按 ISO 14064-1:2018 要求及其原则编制

Lead Verifier

核查组长

Jennifer Cai 蔡洁华

Independent Reviewer

独立评审员

Mary Zhang 张淑贞

Signed on behalf of BSI

BSI 代表签署

Michael Lam - Managing Director Assurance, APAC



Issue Date

签署日期

15/04/2024

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## Appendix A Additional Information about the GHG Statement

### 附录 A 温室气体声明的补充信息

| Organizational Boundary<br>组织边界设定                               | Operational Control 营运控制   |
|---|--|
| Locations included in the Organizational Boundary<br>组织边界中包含的位置 | <p>000: No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br/>江苏省常州市新北区天合光伏产业园天合路 2 号, 213031</p> <p>003: No. 101, Wutaishan Road, Yancheng Economic and Technological Development Zone, Yancheng, Jiangsu, China, 224007<br/>江苏省盐城市盐城经济技术开发区五台山路 101 号, 224007</p> <p>005: No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br/>江苏省常州市新北区天合光伏产业园天合路 2 号, 213031</p> <p>006: No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br/>江苏省常州市新北区天合光伏产业园天合路 2 号, 213031</p> <p>008: No. 1599, Guangzhou Road, Economic and Technological Development Zone, Suqian, Jiangsu, China, 223800<br/>江苏省宿迁市经济技术开发区广州路 1599 号, 223800</p> <p>009: No. 958, Tongzhou Road, Economic and Technological Development Zone, Suqian, Jiangsu, China, 223800<br/>江苏省宿迁市经济技术开发区通州路 958 号, 223800</p> <p>010: No. 801, Longqi Road, Suxi Town, Yiwu, Zhejiang, China, 322000<br/>浙江省义乌市苏溪镇龙祈路 801 号, 322000</p> <p>011: No.7/496 Moo.6, T.Mabyangporn, A.Pluakdang, Rayong, Thailand</p> <p>012: No. 19, Tonggang Avenue, Dafeng Port, Dafeng District, Yancheng, Jiangsu, China, 224100<br/>江苏省盐城市大丰区大丰港通港大道 19 号, 224100</p> <p>013: No. 66, Jiuhuashan Road, Economic and Technological Development Zone, Yancheng, Jiangsu, China, 224007<br/>江苏省盐城市经济技术开发区九华山路 66 号, 224007</p> <p>015: Lot CN-14, Yen Binh Industrial Park, Hong Tien Ward, Pho Yen City, Thai Nguyen Province, Vietnam</p> <p>016: New Energy Technology Industrial Base, Dalu Industrial Park, Zhungeer Economic Development Zone, Zhungeer Banner, Ordos, Inner Mongolia Autonomous Region, China, 017100<br/>内蒙古鄂尔多斯市准格尔旗准格尔经济开发区大路产业园新能源科技产业基地, 017100</p> <p>017: No. 100, Suchu Avenue, Chuzhou, Anhui, China, 239000<br/>安徽省滁州市苏滁大道 100 号, 239000</p> <p>018: No. 516, Hong Kong Road, Suqian Economic and Technological Development Zone, Suqian, Jiangsu, China, 223800<br/>江苏省宿迁市经济技术开发区香港路 516 号, 223800</p> <p>019: No. 66, Jiuhuashan Road, Economic and Technological Development Zone, Yancheng, Jiangsu, China, 224007<br/>江苏省盐城市经济技术开发区九华山路 66 号, 224007</p> <p>020: No. 18, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600<br/>青海省西宁市湟中区上新庄镇规划五路 18 号, 811600</p> <p>021: No. 17, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600<br/>青海省西宁市湟中区上新庄镇规划五路 17 号, 811600</p> <p>022: No. 18, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600</p> |

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|   | <p>青海省西宁市湟中区上新庄镇规划五路 18 号, 811600</p> <p>023: No. 17, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600<br/>青海省西宁市湟中区上新庄镇规划五路 17 号, 811600</p> <p>024: No. 169, Shenzhen East Road, Economic and Technological Development Zone, Huaian, Jiangsu, China, 223005<br/>江苏省淮安市经济技术开发区深圳东路 169 号, 223005</p> <p>025: No. 189, Shenzhen East Road, Economic and Technological Development Zone, Huaian, Jiangsu, China, 223005<br/>江苏省淮安市经济技术开发区深圳东路 189 号, 223005</p> <p>026: No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br/>江苏省常州市新北区天合光伏产业园天合路 2 号, 213031</p> <p>027: Lot CN 15-2 Yen Binh Industrial Zone, Hong Tien Ward, Pho Yen City, Thai Nguven Province, Vietnam</p> |                           |
| Scope of activities:<br>活动范围  | <p>The manufacture of monocrystalline rods, silicon wafers, solar cells, photovoltaic modules and solar trackers</p> <p>The research &amp; development of lithium ion batteries. The research &amp; development, manufacture and provision of energy storage systems</p> <p>单晶硅棒, 硅片, 太阳能电池片, 光伏组件和光伏支架的制造和生产</p> <p>锂离子电池的研发。储能系统的研发、制造和提供。</p>  |                           |
| Reporting Boundary 报告边界:  |   | <b>tCO<sub>2</sub>(e)</b> |
| Direct GHG Emissions<br>(Scope 1)<br>直接温室气体排放 (范围 1)  | Refrigerant, septic tank WD-40, carbon dioxide fire extinguisher, WE-40, SF6<br>冷媒、化粪池、WD-40、七氟丙烷灭火器、SF6  | 107703.07                 |
| Indirect GHG Emissions from imported energy<br>(Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置            | Purchased electricity and steam<br>外购电力, 蒸汽   | 2027254.16                |
| Indirect GHG Emissions from imported energy<br>(Scope 2)<br>Market based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于市场              | Purchased electricity<br>外购电力   | 1989660.06                |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围 3)  | Product downstream, transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行   | 738186.93                 |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围 3)                        | Material consumption, tap water consumption, commercial vehicles - vehicles, shuttle buses (diesel buses, electric buses), leased warehouse electricity<br>原材料的使用、自来水消耗、外包商务车、外包班车, 外租仓库用电  | 20405770.45               |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围 3) | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理 (填埋、焚烧)   | 284035.58                 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | Not quantified<br>未量化     |
| <b>Total Carbon Footprint</b><br>总碳足迹   | <b>Location Based</b> 基于位置  | 23562950.19               |
|   | <b>Market Based</b> 基于市场  | 23525356.08               |

## Appendix B Additional information about the Assurance Engagement

### 附录 B 有关鉴证业务的补充信息

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| Verification Objectives<br>核查目标  | To express an opinion on whether the GHG Statement which is historical in nature就历史性的温室气体声明是否：<br><ul style="list-style-type: none"> <li>Is accurate, materially correct and is a fair representation of GHG data and information<br/>温室气体数据和信息的表述是否准确、在实质性上正确并公正表达</li> <li>Has been prepared in accordance with ISO 14064-1:2018, the criteria used by BSI to verify the GHG Organizational Statement<br/>是否已按照 BSI 用于核查温室气体组织声明的标准 ISO 14064-1:2018 进行准备</li> </ul> |
| Verification evidence gathering procedures<br>核查证据收集程序   | <ul style="list-style-type: none"> <li>Evaluation of the monitoring and controls systems through interviewing employees observation &amp; inquiry 通过与员工面谈、观察和询问来评估监控系统</li> <li>Verification of the data through sampling, recalculation, retracing, cross checking and reconciliation 通过抽样、重新计算、回溯、交叉检查和核对来验证数据</li> </ul>  |
| Verification Standards<br>核查标准   | The verification was carried out in accordance with ISO 14064-3: 2019 and ISO 14065:2020<br>核查按照 ISO 14064-3:2019 和 ISO 14065:2020 进行  |
| <p>Note: Trina Solar Co., Ltd (Headquarter). is responsible for the preparation and fair presentation of the GHG statement and report in accordance with the agreed criteria. BSI is responsible for expressing an opinion on the GHG statement based on the verification.</p> <p>注：天合光能有限公司（总部）负责按照商定的标准编制和公正表达温室气体声明和报告。BSI负责在核查的基础上对温室气体声明发表意见。</p> |  |

#### 盐城天合国能光伏科技有限公司

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| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制  |                       |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 101, Wutaishan Road, Yancheng Economic and Technological Development Zone, Yancheng, Jiangsu, China, 224007<br>江苏省盐城市盐城经济技术开发区五台山路 101 号, 224007    |                       |
| Scope of activities:<br>活动范围  | The manufacture of solar cells and photovoltaic solar modules<br>太阳能电池片和光伏组件的生产   |                       |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)   | Refrigerant, septic tank, WD-40, c Carbon dioxide fire extinguisher, SF6, LPG<br>冷媒、化粪池、WD-40、二氧化碳灭火器、SF6、天然气   | 2060.72               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置               | Purchased electricity and steam<br>外购电力   | 100624.38             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围 3)  | Product Sales Transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行   | 14278.05              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围 3)                        | Material used, Tap water consumption, LPG, outsourced shuttle buses (diesel buses), leased warehouse electricity<br>原材料的使用、自来水消耗、天然气、外包班车 (柴油大巴)、外租仓库用电 | 2077556.76            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围 3) | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理 (填埋、焚烧)   | 26387.32              |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置   | 2220907.22            |

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| Organizational Boundary<br>组织边界设定  | Operational Control 营运控制  |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置  | No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br>江苏省常州市新北区天合光伏产业园天合路 2 号, 213031  |                      |
| Scope of activities:<br>活动范围   | The manufacture of photovoltaic solar modules and solar trackers<br>光伏组件和光伏支架的生产  |                      |
| Reporting Boundary 报告边界:   |   | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)  | Refrigerant, septic tank WD-40, carbon dioxide fire extinguisher FM200, SF6<br>冷媒、化粪池甲烷逸散、WD-40、七氟丙烷灭火器、SF6   | 3963.88              |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置              | Purchased electricity<br>外购电力   | 74957.22             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Product downstream, transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行   | 445142.67            |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Material consumption, tap water consumption, commercial vehicles - vehicles, shuttle buses (diesel buses, electric buses), leased warehouse electricity<br>原材料的使用、自来水消耗、外包商务车、外包班车、外租仓库用电 | 1514321.03           |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理 (填埋、焚烧)   | 18617.21             |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)  | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | Not quantified<br>未量 |
| Total Carbon Footprint<br>总碳足迹   | Location Based 基于位置   | 2057002.01           |

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|---|---|----------------------|
| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制  |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br>江苏省常州市新北区天合光伏产业园天合路 2 号, 213031            |                      |
| Scope of activities:<br>活动范围  | The manufacture of photovoltaic modules<br>光伏组件的生产  |                      |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)   | Refrigerant(R134a,R410a,R32),septic tank WD-40, carbon dioxide fire extinguisher FM200, SF6<br>冷媒 (R134a,R410a,R32)、化粪池甲烷逸散、WD-40、七氟丙烷灭火器、SF6 | 1396.29              |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置 | Purchased electricity<br>外购电力   | 8165.14              |



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| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Product downstream, transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行   | 58910.96              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Material consumption, tap water consumption, commercial vehicles - vehicles, shuttle buses (diesel buses, electric buses), leased warehouse electricity<br>原材料的使用、自来水消耗、外包商务车、外包班车,外租仓库用电 | 742363.71             |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理（填埋、焚烧）  | 8071.94               |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置   | 818908.14             |

天合光能（宿迁）科技有限公司

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|---|--|----------------------|
| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 1599, Guangzhou Road, Economic and Technological Development Zone, Suqian, Jiangsu, China, 223800<br>江苏省宿迁市经济技术开发区广州路 1599 号, 223800   |                      |
| Scope of activities:<br>活动范围  | The manufacture of photovoltaic modules<br>光伏组件的生产   |                      |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放（范围1）   | Refrigerant (R134a, R410a, R32), septic tank WD-40, fire extinguisher, diesel oil<br>冷媒、化粪池甲烷逸散、WD-40、灭火器、柴油   | 1812.14              |
| Direct GHG Removals (Scope 1)<br>直接清除温室气体（范围1）  | NIL  | 0                    |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity<br>外购电力  | 79551.20             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Product Sales Transportation (5T truck, 10T truck, 35T truck, sea transportation), employee commuting (self-driving gasoline car, self-driving electric car), business travel (truck, plane)<br>产品销售运输、员工通勤、商务旅行 | 24486.72             |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Material used, Tap water consumption, LPG, outsourced shuttle buses (diesel buses, electric buses), leased warehouse electricity<br>原材料的使用、自来水消耗、食堂天然气、外包班车（柴油大巴）、外租仓库用电   | 4016421.56           |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理（填埋、焚烧）   | 57714.51             |

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|---|--|-----------------------|
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3） | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游 | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 4179986.13            |

天合光能（宿迁）光电有限公司

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|---|--|-----------------------|
| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制   |                       |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 958, Tongzhou Road, Economic and Technological Development Zone, Suqian, Jiangsu, China, 223800<br>江苏省宿迁市经济技术开发区通州路 958 号, 223800              |                       |
| Scope of activities:<br>活动范围  | The manufacture of solar cells<br>太阳能电池片的生产  |                       |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放（范围1）   | Septic tank, WD-40, fire extinguisher, fire extinguisher, refrigerant, production wastewater<br>化粪池、WD-40 除锈剂、灭火器、冷媒、生活污水                          | 6780.98               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity, 外购电力  | 494467.36             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Employee commuting, business travel 员工通勤、商务差旅  | 191.26                |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Tap water consumption, commercial vehicle<br>自来水消耗、外包班车-柴油大巴   | 6141.00               |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放，未进行量化 | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream 资产性产品折旧、能源性产品上游  | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 507580.60             |

天合光能（义乌）科技有限公司

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|---|--|----------------------|
| Organizational Boundary<br>组织边界设定                               | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置 | No. 801, Longqi Road, Suxi Town, Yiwu, Zhejiang, China, 322000<br>浙江省义乌市苏溪镇龙祈路 801 号, 322000                       |                      |
| Scope of activities:<br>活动范围                                    | The manufacture of photovoltaic modules<br>光伏组件的生产   |                      |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放（范围1）                 | Emergency generator Diesel, Refrigerant, septic tank WD-40, fire extinguisher, SF6<br>应急发电机柴油、冷媒、化粪池甲烷逸散、WD-40、灭火器 | 1146.91              |

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| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity<br>外购电力  | 44887.53              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Product Sales Transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行  | 49048.96              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Material used Tap water consumption, outsourced shuttle buses (diesel buses), leased warehouse electricity<br>原材料的使用、自来水消耗、外包班车（柴油大巴）、外租仓库用电 | 2545180.79            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理（填埋、焚烧）   | 30884.62              |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游   | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 2671148.81            |

天合光能科技（泰国）有限公司

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|---|---|----------------------|
| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制  |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No.7/496 Moo.6, T.Mabyangporn, A.Pluakdang, Rayong  |                      |
| Scope of activities:<br>活动范围  | The manufacture of solar cells and photovoltaic solar modules<br>太阳能电池片和光伏组件的生产                             |                      |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放（范围1）   | Refrigerant,septic tank,WD-40, carbon dioxide fire extinguisher, diesel fuel<br>冷媒、化粪池甲烷逸散、WD-40、二氧化碳灭火器、柴油 | 840.74               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity<br>外购电力   | 73619.91             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Product Sales Transportation, employee commuting, business travel 产品<br>销售运输、员工通勤、商务旅行                      | 13280.67             |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Material used, Tap water consumption, outsourced shuttle buses (diesel buses)<br>原材料的使用、自来水消耗、外包班车（柴油大巴）    | 363731.69            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理（填埋、焚烧）                      | 6090.46              |



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| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3) | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游 | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 457563.48             |

天合光能（盐城大丰）有限公司

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|---|---|-----------------------|
| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制  |                       |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 19, Tonggang Avenue, Dafeng Port, Dafeng District, Yancheng, Jiangsu, China, 224100<br>江苏省盐城市大丰区大丰港通港大道 19 号, 224100            |                       |
| Scope of activities:<br>活动范围  | The manufacture of photovoltaic modules<br>光伏组件的生产  |                       |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)   | Refrigerant Septic tank, WD-40 rust remover, fire extinguisher, SF6<br>冷媒化粪池、WD-40 除锈剂、灭火器、SF6                                      | 1002.98               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置               | Purchased electricity 外购电力  | 56806.19              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围 3)  | Product Sales Transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行   | 15553.67              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围 3)                        | Materials and tap water consumption, commercial vehicle- shuttle buses, leased warehouse electricity<br>原材料、自来水消耗、外包商务车、外包班车、外租仓库用电 | 2953850.40            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围 3) | Disposal of waste photovoltaic modules (landfill, incineration)<br>废旧光伏组件的处理 (填埋、焚烧)  | 39017.81              |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)   | Asset products depreciation, energy products upstream 资产性产品折旧、能源性产品上游   | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置   | 3066231.05            |

天合光能科技（盐城）有限公司

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| Organizational Boundary<br>组织边界设定                               | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置 | No. 66, Jiuhuashan Road, Economic and Technological Development Zone, Yancheng, Jiangsu, China, 224007<br>江苏省盐城市经济技术开发区九华山路 66 号, 224007 |                      |
| Scope of activities:<br>活动范围                                    | The manufacture of solar cells<br>太阳能电池片的生产  |                      |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)               | Refrigerant, septic tank WD-40, fire extinguisher, SF6, LPG<br>冷媒、化粪池甲烷逸散、灭火器、SF6、天然气  | 3121.20              |

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| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置              | Purchased electricity<br>外购电力  | 321774.99        |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Employee commuting, business travel<br>员工通勤、商务旅行   | 227.95           |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Tap water consumption, LPG, outsourced commercial vehicles - gasoline vehicles, outsourced shuttle buses (diesel buses, electric buses)<br>自来水消耗、食堂天然气、外包班车 (柴油大巴) | 696.77           |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理 (填埋、焚烧)  | NA               |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)  | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游   | NA               |
| <b>Total Carbon Footprint</b><br>总碳足迹  | <b>Location Based 基于位置</b>   | <b>325820.90</b> |

天合光能发展有限公司

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| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | Lot CN-14, Yen Binh Industrial Zone, Hong Tien Ward, Pho Yen City, Thai Nguyen Province, Vietnam   |                      |
| Scope of activities:<br>活动范围  | The manufacture of solar cells and photovoltaic solar modules<br>太阳能电池片和光伏组件的生产  |                      |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)   | LPG, Refrigerant, septic tank WD-40, carbon dioxide fire extinguisher FM200, SF6, Emergency generator Diesel, carbon dioxide fire extinguisher, diesel fuel<br>天然气、冷媒、化粪池甲烷逸散、WD-40、应急发电机柴油、二氧化碳灭火器、柴油 | 6097.44              |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 3)<br>基于位置 | Purchased electricity<br>外购电力  | 160257.20            |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)                             | Product Sales Transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行  | 65417.75             |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)           | Material used, Tap water consumption, outsourced commercial vehicles - gasoline vehicles, outsourced shuttle buses (diesel buses, electric buses)<br>原材料的使用、自来水消耗、外包班车 (柴油大巴)                          | 1464093.96           |
| Indirect GHG Emissions associated with the use of   | Disposal of used photovoltaic modules (landfill and incineration)<br>废旧光伏组件的处理 (填埋、焚烧)   | 20956.36             |

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| products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3)       |  |                       |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围3) | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游 | Not Quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹   | Location Based 基于位置  | 1716822.71            |

内蒙古天晟新科技有限公司

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| Organizational Boundary<br>组织边界设定  | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置  | New Energy Technology Industrial Base, Dalu Industrial Park, Zhungeer Economic Development Zone, Zhungeer Banner, Ordos, Inner Mongolia Autonomous Region, China, 017100<br>内蒙古鄂尔多斯市准格尔旗准格尔经济开发区大路产业园新能源科技产业基地, 017100 |                      |
| Scope of activities:<br>活动范围   | The manufacture of photovoltaic solar modules 光伏组件的生产  |                      |
| Reporting Boundary 报告边界:   |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围1)   | Septic tank, WD-40, fire extinguisher, fire extinguisher, refrigerant<br>化粪池、WD-40 除锈剂、灭火器、冷媒  | 160.70               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围2)<br>基于位置               | Purchased electricity 外购电力   | 9555.16              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Product sales transportation, employee commuting, business travel 产品销售运输、员工通勤、商务差旅   | 195.91               |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Materials consumption, diesel for tractor, tap water consumption, commercial vehicle, electricity for leased warehouses<br>主要原辅材料、柴油 (牵引车)、自来水消耗、外租商务车服务、上游租赁资产使用 (外租仓库用电)   | 502507.81            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Disposal of used photovoltaic modules (landfill and incineration)<br>废旧光伏组件的处理 (填埋、焚烧)   | 6029.07              |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围3)   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游   | Not qualified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹   | Location Based 基于位置  | 518448.65            |

天合储能 (滁州) 有限公司

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| Organizational Boundary<br>组织边界设定                               | Operational Control 营运控制   |  |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置 | No. 100, Suchu Avenue, Chuzhou, Anhui, China, 239000<br>安徽省滁州市苏滁大道 100 号, 239000 |  |

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| Scope of activities:<br>活动范围   | 锂离子电池及储能系统的制造和提供。<br>The manufacture and provision of lithium ion batteries and energy storage systems.  |                      |
| Reporting Boundary 报告边界:   |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions<br>(Scope 1)<br>直接温室气体排放 (范围1)  | Official vehicle gasoline, refrigerant sewage treatment (industrial and domestic), fire extinguisher WD-40, SF6<br>公务车汽油、冷媒、污水处理 (工业、生活)、灭火器逸散 WD-40 除锈剂逸散、SF6   | 51225.47             |
| Indirect GHG Emissions from imported energy<br>(Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围2)<br>基于位置            | Purchased electricity and steam<br>外购电力、外购蒸汽   | 51556.61             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Upstream material transportation and distribution, downstream finished product transportation and distribution, employee commuting, waste transportation, business travel<br>上游物料运输配送、下游成品运输配送、员工通勤、废弃物转运、商务差旅 | 3915.20              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Material consumption, tap water, hazardous waste treatment<br>物料消耗、自来水消耗、危废处理  | 124181.72            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放, 未进行量化  | Not quantified 未量化   |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围3)   | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放, 未进行量化  | Not quantified 未量化   |
| Total Carbon Footprint<br>总碳足迹   |  | 230879.00            |

天合光能(宿迁)硅材料有限公司

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|---|---|----------------------|
| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制  |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 516, Hong Kong Road, Suqian Economic and Technological Development Zone, Suqian, Jiangsu, China, 223800<br>江苏省宿迁市经济技术开发区香港路 516 号, 223800 |                      |
| Scope of activities:<br>活动范围  | The manufacture of silicon wafers<br>硅片的生产  |                      |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e) |
| Direct GHG Emissions<br>(Scope 1)<br>直接温室气体排放 (范围1)   | Septic tank, WD-40, fire extinguisher, fire extinguisher, refrigerant, production wastewater<br>化粪池、WD-40 除锈剂、灭火器、冷媒、生活污水                     | 8520.42              |
| Indirect GHG Emissions from imported energy<br>(Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围2)<br>基于位置 | Purchased electricity<br>外购电力   | 59474.91             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)                               | Employee commuting, business travel 员工通勤、商务差旅   | 41.62                |

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| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Tap water consumption, commercial vehicle<br>自来水消耗、外包班车-柴油大巴   | 933.76                |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放，未进行量化 | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游   | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 68970.70              |

天合光能（盐城）新能源有限公司

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| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制  |                       |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 66, Jiuhuashan Road, Economic and Technological Development Zone, Yancheng, Jiangsu, China, 224007<br>江苏省盐城市经济技术开发区九华山路 66 号, 224007                    |                       |
| Scope of activities:<br>活动范围  | The manufacture of photovoltaic modules<br>光伏组件的生产  |                       |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放（范围1）   | Refrigerant, septic tank WD-40, carbon dioxide fire extinguisher FM200, SF6<br>冷媒、化粪池、WD-40、七氟丙烷灭火器、SF6   | 792.88                |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity<br>外购电力   | 60579.75              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Product downstream, transportation, employee commuting, business travel<br>产品销售运输、员工通勤、商务旅行   | 20246.34              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Material consumption, tap water consumption, commercial vehicles - vehicles, shuttle buses), leased warehouse electricity<br>原材料的使用、自来水消耗、外包商务车、外包班车、外租仓库用电 | 2579218.14            |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Disposal of used photovoltaic modules (landfill and incineration)<br>废旧光伏组件的处理（填埋、焚烧）   | 37799.87              |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置   | 2698636.97            |

天合光能（青海）光伏材料有限公司

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|-----------------------------------|--------------------------|
| Organizational Boundary<br>组织边界设定 | Operational Control 营运控制 |
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| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 18, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600<br>青海省西宁市湟中区上新庄镇规划五路 18 号, 811600   |                       |
| Scope of activities:<br>活动范围  | The manufacture of silicon wafers<br>硅片的生产   |                       |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)   | Diesel, natural gas, Al(CH <sub>3</sub> ) <sub>3</sub> , refrigerant, production wastewater, septic tank, WD-40, fire extinguisher<br>柴油、天然气、Al(CH <sub>3</sub> ) <sub>3</sub> 、冷媒、生产废水、生活污水、WD-40、灭火器 | 1883.81               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置               | Purchased electricity 外购电力   | 4676.87               |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围 3)  | Employee commuting, business travel. 员工通勤、商务差旅   | 146.80                |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围 3)                        | Tap water consumption, raw water consumption, commercial vehicle<br>自来水消耗、原水消耗、厂务车   | 26.72                 |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围 3) | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放, 未进行量化  | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游   | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 6734.20               |

天合光能(青海)光电有限公司

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| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 17, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600<br>青海省西宁市湟中区上新庄镇规划五路 17 号, 811600   |                      |
| Scope of activities:<br>活动范围  | The manufacture of solar cells<br>太阳能电池片的生产  |                      |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)   | Diesel, natural gas, Al(CH <sub>3</sub> ) <sub>3</sub> , refrigerant, production wastewater, septic tank, WD-40, fire extinguisher<br>柴油、天然气、Al(CH <sub>3</sub> ) <sub>3</sub> 、冷媒、生产废水、生活污水、WD-40、灭火器 | 3949.74              |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置 | Purchased electricity 外购电力   | 14776.59             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围 3)                            | Employee commuting, business travel 员工通勤、商务差旅  | 62.84                |

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| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Tap water consumption, raw water consumption, commercial vehicle<br>自来水消耗、原水消耗、厂务车  | 74.13                 |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放, 未进行量化 | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围3)   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹   | Location Based 基于位置   | 18863.30              |

天合光能(青海)晶硅有限公司

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| Organizational Boundary<br>组织边界设定  | Operational Control 营运控制  |                       |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置  | No. 18, Planning 5th Road, Shangxinzhuan Town, Huangzhong District, Xining, Qinghai, China, 811600<br>青海省西宁市湟中区上新庄镇规划五路 18 号, 811600                |                       |
| Scope of activities:<br>活动范围   | The manufacture of monocrystalline rods<br>单晶硅棒的生产  |                       |
| Reporting Boundary 报告边界:   |   | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围1)   | Diesel, natural gas, gasoline, refrigerant, septic tank, production wastewater, fire extinguisher, SF6<br>柴油、天然气、汽油、冷媒、生活废水、生产废水、灭火器、SF6            | 3773.93               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围2)<br>基于位置               | Purchased electricity 外购电力  | 118181.41             |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Market based<br>输入能源产生的间接温室气体排放 (范围2)<br>基于市场                 | Purchased electricity 外购电力  | 80587.30              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Employee commuting, business travel<br>员工通勤、商务差旅  | 667.05                |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Tap water consumption, raw water consumption, canteen<br>自来水消耗、原水消耗、食堂  | 268.35                |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放, 未进行量化 | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)  | Asset products depreciation, energy products upstream 资产性产品折旧、能源性产品上游   | Not quantified<br>未量化 |

|                                |                     |           |
|--------------------------------|---------------------|-----------|
| 其他来源的间接温室气体排放（范围3）             |                     |           |
| Total Carbon Footprint<br>总碳足迹 | Location Based 基于位置 | 122890.73 |
|                                | Market Based 基于市场   | 85296.63  |

天合光能（青海）科技有限公司

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| Organizational Boundary<br>组织边界设定  | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置  | No. 17, Planning 5th Road, Shangxinhuang Town, Huangzhong District, Xining, Qinghai, China, 811600<br>青海省西宁市湟中区上新庄镇规划五路 17 号, 811600         |                      |
| Scope of activities:<br>活动范围   | The manufacture of photovoltaic solar modules<br>光伏组件的生产   |                      |
| Reporting Boundary 报告边界:   |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions<br>(Scope 1)<br>直接温室气体排放（范围1）   | Septic tank, WD-40, fire extinguisher, fire extinguisher, refrigerant.<br>化粪池、WD-40 除锈剂、灭火器、冷媒   | 142.56               |
| Indirect GHG Emissions<br>from imported energy<br>(Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置            | Purchased electricity 外购电力   | 4598.75              |
| Indirect GHG Emissions<br>from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Employee commuting, business travel 员工通勤、商务差旅  | 39.50                |
| Indirect GHG Emissions<br>from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Materials consumption, tap water consumption, raw wate consumption, electricity for leased warehouses.<br>主要原辅材料、自来水消耗、原水消耗、上游租赁资产使用（外租仓库用电） | 61286.54             |
| Indirect GHG Emissions<br>associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Disposal of used photovoltaic modules (landfill and incineration).<br>废旧光伏组件的处理（填埋、焚烧）   | 10632.10             |
| Indirect GHG Emissions<br>from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游   | Not qualified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹   | Location Based 基于位置  | 76699.45             |

天合光能（淮安）光电有限公司

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| Organizational Boundary<br>组织边界设定                               | Operational Control 营运控制  |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置 | No. 169, Shenzhen East Road, Economic and Technological Development Zone, Huaian, Jiangsu, China, 223005<br>江苏省淮安市经济技术开发区深圳东路 169 号, 223005                       |                      |
| Scope of activities:<br>活动范围                                    | The manufacture of solar cells<br>太阳能电池片的生产   |                      |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e) |
| Direct GHG Emissions<br>(Scope 1)<br>直接温室气体排放（范围1）              | Diesel for emergency generator , gasoline for vehicles, diesel for trucks, refrigerant, fire extinguisher , septic tank<br>应急发电机柴油、公务车汽油、货车柴油、叉车、冷媒逸散、灭火器逸散、化粪池逸散 | 4366.00              |

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| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置              | Purchased electricity and steam 外购电力、外购蒸汽   | 157088.28             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Employee commuting, business travel<br>员工通勤、商务差旅  | 70.25                 |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Tap water, LPG, Shuttle Bus<br>自来水、外包食堂, 员工通勤   | 499.23                |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放, 未进行量化 | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放 (范围 3)  | Asset products depreciation, energy products upstream<br>资产性产品折旧、能源性产品上游  | NA                    |
| <b>Total Carbon Footprint</b><br>总碳足迹  | <b>Location Based</b> 基于位置  | <b>162023.75</b>      |

天合光能（淮安）科技有限公司

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| Organizational Boundary<br>组织边界设定  | Operational Control 营运控制   |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置  | No. 189, Shenzhen East Road, Economic and Technological Development Zone, Huaian, Jiangsu, China, 223005<br>江苏省淮安市经济技术开发区深圳东路 189 号, 223005        |                      |
| Scope of activities:<br>活动范围   | The manufacture of photovoltaic solar modules<br>光伏组件的生产   |                      |
| Reporting Boundary 报告边界:   |  | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放 (范围 1)  | Refrigerant escape, fire extinguisher (CO <sub>2</sub> , FM200), septic tank, WD-40<br>冷媒逸散(R134a,R410a,R32)、灭火器(CO <sub>2</sub> FM200)、化粪池, WD-40 | 869.58               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放 (范围 2)<br>基于位置              | Purchased electricity 外购电力   | 44975.23             |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放 (范围3)  | Product transportation and distribution, employee commuting, business travel<br>产品下游运输、员工通勤、商务差旅   | 14692.81             |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放 (范围3)                        | Material consumption, tap water, hazardous waste treatment, outsourced canteen, rented dormitory, business accommodation<br>物料消耗、自来水、外包食堂          | 1436434.75           |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放 (范围3) | Disposal of PV module<br>光伏组件报废  | 21834.32             |

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| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3） | Asset products depreciation, energy products upstream 资产性产品折旧、能源性产品上游 | NA         |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置   | 1518806.69 |

江苏天合储能有限公司

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| Organizational Boundary<br>组织边界设定   | Operational Control 营运控制   |                       |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置   | No. 2, Trina Road, Trina PV Industrial Park, Xinbei District, Changzhou, Jiangsu, China, 213031<br>江苏省常州市新北区天合光伏产业园天合路2号, 213031   |                       |
| Scope of activities:<br>活动范围  | 锂离子电池的研发。储能系统的研发、制造和提供。<br>The research & development of lithium ion batteries. The research & development, manufacture and provision of energy storage systems.   |                       |
| Reporting Boundary 报告边界:  |  | tCO <sub>2</sub> (e)  |
| Direct GHG Emissions (Scope 1)<br>直接温室气体排放（范围1）   | Emergency generator Diesel, refrigerant, sewage treatment (industrial and domestic), fire extinguisher, WD-40 rust inhibitor, switch SF6 escape<br>应急发电机柴油、冷媒、污水处理、灭火器、WD-40 除锈剂、开关 SF6                        | 1349.02               |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity<br>外购电力  | 10791.47              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Upstream material transportation and distribution, downstream finished product transportation and distribution, employee commuting, waste transportation, business travel<br>上游物料运输配送、下游成品运输配送、员工通勤、废弃物转运、商务差旅 | 11159.81              |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Material consumption, tap water, hazardous waste treatment<br>物料消耗、自来水、危废处理  | 15521.02              |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放，未进行量化   | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放，未进行量化   | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 38821.32              |

天合光能（越南）晶硅有限公司

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|---|---|----------------------|
| Organizational Boundary<br>组织边界设定                               | Operational Control 营运控制  |                      |
| Locations included in the Organizational Boundary<br>组织边界中包含的位置 | Lot CN 15-2 Yen Binh Industrial Zone, Hong Tien Ward, Pho Yen City, Thai Nguven Province, Vietnam   |                      |
| Scope of activities:<br>活动范围                                    | The manufacture of monocrystalline rods and silicon wafers<br>单晶硅棒和硅片的生产  |                      |
| Reporting Boundary 报告边界:  |   | tCO <sub>2</sub> (e) |
| Direct GHG Emissions (Scope 1)                                  | Diesel for Emergency generator, gasoline for vehicles, diesel for trucks, forklift trucks, refrigerant, fire extinguisher, methane from septic tank | 2445.56              |



|   |  |                       |
|---|--|-----------------------|
| 直接温室气体排放（范围1）   | 应急发电机、公务车汽油、货车柴油、叉车、冷媒逸散、灭火器逸散、化粪池甲烷逸散   |                       |
| Indirect GHG Emissions from imported energy (Scope 2)<br>Location based<br>输入能源产生的间接温室气体排放（范围2）<br>基于位置               | Purchased electricity and steam 外购电力、外购蒸汽  | 75888.02              |
| Indirect GHG Emissions from transportation (Scope 3)<br>交通运输产生的间接温室气体排放（范围3）  | Employee commuting, business travel<br>员工通勤、商务差旅   | 410.17                |
| Indirect GHG Emissions from products used by organization (Scope 3)<br>组织使用的产品产生的间接温室气体排放（范围3）                        | Tap water, outsourced canteen LPG, Shuttle Bus<br>自来水、外包食堂、外租宿舍、商务住宿   | 460.61                |
| Indirect GHG Emissions associated with the use of products from the organization (Scope 3)<br>与使用组织产品相关的间接温室气体排放（范围3） | Not quantified as the non-significant indirect emissions according to the significance criteria of indirect emission<br>按间接排放重要性准则确定为非重要间接排放，未进行量化 | Not quantified<br>未量化 |
| Indirect GHG Emissions from other sources (Scope 3)<br>其他来源的间接温室气体排放（范围3）   | Asset products depreciation, energy products upstream 资产性产品折旧、能源性产品上游  | Not quantified<br>未量化 |
| Total Carbon Footprint<br>总碳足迹  | Location Based 基于位置  | 79204.36              |