

东方日升能源管理政策

Energy Management Policy

■ 承诺

■ Our Commitment

- 我们高度重视能源绩效的持续改进，通过技术创新和管理创新，优化生产流程，更新节能设备，提高能源利用效率，努力实现节能降耗，为企业创造更多的经济效益的同时，承担好企业应有的能源管理责任。
- We are dedicated to continually improving energy performance through technological innovation, management reform, process optimization, upgrading energy-saving equipment, and enhancing energy efficiency. Our goal is to achieve energy savings and reduce consumption, thereby creating greater economic benefits and fulfilling our corporate responsibility.
- 我们致力于发挥科技创新的引领作用，通过增加技术创新和工艺革新投入，改进光伏产品生产过程，提升产品功率，确保绿色能源生产的可持续性。
- We are committed to leading in scientific and technological innovation within PV production. By increasing our investment in technological and technical innovation, we aim to optimize the PV production process and enhance product efficiency, ensuring the sustainable production of green energy.
- 我们致力于实现能源的可持续利用，通过合理规划和布局，充分利用各种可再生能源和清洁能源，减少对传统能源的依赖，确保能源的多样性和可持续性。
- We are dedicated to promoting the sustainable use of energy by maximizing the utilization of renewable and clean energy sources. By reducing our reliance on traditional energy, we aim to ensure the diversity and sustainability of our energy supply through the strategic planning and implementation of renewable energy initiatives.

■ 目标

■ Our Targets

- 到 2030 年，自身运营温室气体排放（范围 1、范围 2）下降 50%
- By 2030, reduce Scope 1 and Scope 2 GHG emission by 50%. (2023 is the

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base year)

- 到 2050 年，实现全价值链净零排放
- By 2050, achieve net zero emission across the value chain

- 到 2030 年，可再生能源使用占比达到 20%
- By 2030, the proportion of renewable energy use will reach 20%

- 到 2050 年，可再生能源使用占比达到 100%
- By 2050, achieve 100% renewable energy use

- 每瓦异质结电池耗电量每年下降 5%
- 5% annual reduction in electricity consumption per watt of heterojunction cell produced

■ 风险管理机制

■ Our Risk Management

通过综合考虑已识别的内、外部因素，相关方的需求和期望、法律法规和其他要求，以及能源方针的要求，确定面临的风险和机会。

We identify energy use risks and opportunities by integrating various internal and external factors, including stakeholder expectations, laws and regulations, and the requirements of our energy use strategy.

针对确定的风险和机会，制定应对措施，并把这些措施纳入能源管理体系中加以实施。

We develop measures to address identified risks and opportunities and integrate these measures into our energy management system.

基于面临的内外部因素、风险和机遇、公司战略、能源方针、目标和能源指标、核心业务的发展等信息，策划其责任范围内的持续改进活动，以不断完善能源管理体系的运行。

We plan continuous improvement actions based on internal and external factors, including identified risks and opportunities, our strategies, energy management

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policy, targets, and metrics, as well as the development of our core business. This approach ensures the ongoing enhancement of our energy management system's performance.

■ 能源行动

■ Our Actions

- 建设能源管理体系
- Establishment of Energy Management System

我们依据 GB/T23331-2020 能源管理体系标准要求，成立能源管理专项小组，制定了《能源体系管理手册》，界定了公司自上而下的能源治理结构以及各层级的职责和权限，明确了能源方针，梳理了识别和应对能源风险和机遇的措施，规定了能源目标的策划和实现程序、能源管理实施方案、能源评审、能源绩效参数、能源基准、能源数据收集等内容，并制定了能源管理体系的绩效评价和改进管理规定，以实现能源管理体系的“策划、实施、检查、改进”动态循环，有效推动公司能源管理水平提升。

Following the requirements of GB/T23331-2020 energy management system standard, we have established a team for energy management and developed "Energy System Management Manual". This manual outlines our energy governance structure and defines the responsibilities at each level. It articulates our energy policy, measures for addressing energy risks and opportunities, and specifies management procedures, implementation plans, energy reviews, performance indicators, baseline, data collection, and etc. Furthermore, we have formulated regulations for evaluating and improving the performance of our energy management system. These regulations facilitate the dynamic cycle of "Plan-Do-Check-Act", ensuring effective enhancement of our energy management capabilities.

- 能源绩效管理
- Energy Performance Management

我们建立了能源绩效参数，参照《能源绩效监视测量程序》，定期对能源管理实施方案的执行情况进行监督检查，对方案实施进度、过程质量和实施效果进行确认，并根据实

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际情况进行优化调整。

We have established energy performance indicators based on the "Energy Performance Monitoring and Measurement Procedures". These indicators are used to regularly monitor the implementation of our energy management plan, verify progress and effectiveness, and adjust the management plan as needed to optimize our energy management efforts.

- 能源数据监测
- Energy Data Monitoring

我们建立了完善的能源监测与数字化管理体系，实时监测和分析能源消耗情况，及时发现和解决能源利用中的问题。通过数据化管理，我们将更好地掌握能源使用情况，为制定更科学的能源管理策略提供依据。

We have implemented a digital energy monitoring system to analyze real-time energy consumption, enabling timely identification and resolution of energy usage issues. This system utilizes data management to track our energy usage and inform the development of energy management strategies.

- 能源安全保障
- Energy Security

我们高度重视能源安全保障工作，确保企业能源供应的稳定和安全。我们将持续加强与供应商的沟通合作，建立多元化的能源供应渠道，以应对可能出现的能源供应风险。

We prioritize energy security and ensure the stability and reliability of our energy supply. We collaborate closely with our suppliers to promote diversification in our energy supply sources.

- 供应链节能降耗
- Energy Consumption Reduction Across Supply Chain

我们积极倡导和推进绿色能源的使用，鼓励上下游合作伙伴使用可再生能源。通过光伏电站建设等示范项目和技术支持，推动上下游清洁能源的普及和应用，助力全球新能源产业的低碳发展。同时我们积极购买绿电助力全球节能降耗目标的达成。

We actively advocate for and promote the adoption of green energy,

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encouraging our partners to utilize renewable sources. Through demonstration projects like photovoltaic power plants and providing technical support, we foster the adoption of clean energy throughout our supply chain, thereby contributing to the industry's low-carbon development. Additionally, we procure and utilize green electricity to support global goals for energy conservation and reduced consumption.

- 意识提升
- Awareness Promotion

我们重视员工在能源管理方面的培训和教育工作，提高员工的能源管理意识。通过培训和实践相结合的方式，我们将使员工更好地理解和执行企业的能源管理策略，共同推动企业的绿色发展。

We prioritize the training and education of our employees in energy conservation. Through comprehensive training and hands-on practice, we aim to enhance our employees' understanding and implementation of our energy management strategy. By doing so, we collaborate to foster the sustainable development of the Company.

- 信息透明公开
- Information Disclosure and Transparency

我们会主动公开能源管理工作的开展情况，向公众展示我们在能源管理方面所做的努力和取得的成果，并接受社会的监督和评价，确保我们的承诺得以落实。

We are committed to proactively disclosing the implementation of our energy management measures and achievements to the public. We welcome the public and stakeholders' oversight to ensure accountability and the fulfillment of our commitments.

- 多举措节能降耗
- Energy Saving and Consumption Reduction Measures

2023 年使用可再生电量 31320210kwh，较 2022 年增加 9%；通过“充放电测试变流”、“车间照明优化管控”、“空调冷却水改造”等多项节能减排措施，共节电

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46157372kwh, 相当于减碳排约 27694 吨, 植树 369259 棵。

2022 年, 宁海和义乌基地共计节约电量 500.2 万 kWh, 其中节能改造项目年节约电量 277.2 万 kWh, 日常管控年节电 223.2kWh.

In 2023, our use of renewable electricity reached 31,320,210 kWh, marking a 9% increase. Through various energy-saving initiatives, including the charge/discharge test program with converter integration, workshop lighting optimization, and the air conditioning cooling water retrofit project, we saved a total of 46,157,372 kWh of electricity. This reduction is equivalent to reducing the emission of 27,694 tons of carbon dioxide and is equivalent to planting 369,259 trees.