



INTEGRATED TRACABILITY SYSTEM

Traceable, Responsible - Badged

Recent years have seen questions of the provenance of materials used in Solar PV Modules, especially towards larger module suppliers. There is an increased need for traceability and transparency due to the requirements of customers and potential legislation. The JA solution has been to use the strengths of vertical integration, size, supply chain management experience and resources to enhance traceability systems.

JA is using opportunities to enhance supply chain knowledge, carbon footprint tracking, customer due diligence efforts and mutual competitive advantages with the ITS (Integrated Traceability System) badge.

As the largest vertical integrated supplier, JA controls entire manufacturing process all under the JA Solar Group and gains leverage for incoming material supply chain.

Silicon	Ingots	Wafers	Cells	Modules	Generating Assets
External Supply	Capacity: 70GW+	Capacity: 70GW+	Capacity: 70GW+	Capacity: 80GW+	Power Plants

Silicon	Inner Mongolia, Jiangsu Province, Sichuan, Qinghai	Baotou, Inner Mongolia Province, Lianyungang, Jiangsu Province, Xingtai, Hebei Province	Ningjin, Hebei Province, Shijiazhuang, Hebei Province	Bac Giang, Vietnam, Oujing, Yunnan Province, Ordos, Inner Mongolia	Yangzhou, Jiangsu Province, Dongtai, Jiangsu Province, Yiwu, Zhejiang Province	Modules
					Xingtai, Hebei Province, Fengxian, Shanghai, Hefei, Anhui Province	



TÜVRheinland

Precisely Right.



My clients have questions about your supply chain, how can I reassure them?

The JA third party tested traceability system is universal across all JA Solar Group entities, down to the regional suppliers of silicon in Inner Mongolia, Jiangsu Province, Sichuan and Qinghai.

It includes unique identification codes, rigorous supplier evaluation and selection, strict incoming material inspection, and detailed production and warehouse management procedures.

JA Solar Code of Conduct for Suppliers

JA Solar has developed the Code of Conduct for Suppliers based on the basic framework of internationally-recognized supplier social responsibility systems and standards, such as the Responsible Business Alliance (RBA), Joint Audit Cooperation (JAC) Supply Chain Sustainability Guidelines, and SA8000. The Code controls suppliers' labor, occupational safety and health, environment, business ethics, and other aspects, reduce supply chain risks, and promotes sustainable development of supplier practices.

Main Contents of the Code of Conduct for Suppliers

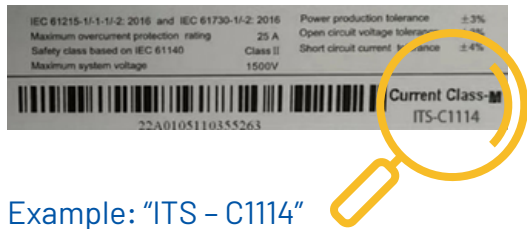
- Suppliers must comply with applicable environmental laws and regulations and should be encouraged to implement systems aimed at minimizing the adverse impact that supply chain policies, production processes, and products may have on the environment.
- Suppliers shall not deploy child labor or force labor through slavery, imprisonment, contractual bondage, guarantees, or other means of duress, buy or sell workers, or exploit workers through threats, coercion, abduction, or fraud.
- Suppliers must not discriminate against employees' personal characteristics or beliefs, and all workers must be treated fairly with respect and dignity. Workers have the right to freedom of association.
- Suppliers must provide workers with a safe and healthy working environment.
- Suppliers must provide compensation as required by law, and work hours must not exceed the maximum allowed by law, except in exceptional or emergency situations.
- JA Solar does not use conflict minerals, and suppliers need to conduct due diligence on the corresponding mineral supply chain to jointly create a "conflict-free" supply chain.
- Suppliers are required to abide by business ethics, combat corruption, and prohibit bribery.

Suppliers

JA Solar enforces strong supplier management systems, including its sustainable procurement rules and supplier commitment letters. This framework drives supplier responsibility, self-assessment, and accountability. The company's supplier social responsibility and sustainability assessment system covers 101 indicators across 17 key areas, ensuring comprehensive evaluation. JA Solar's commitment extends to rigorous assessment of material suppliers, guaranteeing compliance and sustainability in the supply chain.

The JA ITS Badge

- The ITS badge specifies supply chain using only selected regional Poly-si suppliers
- Large volume available from stock
- Complete tracking in the supply chain
- Each module and pallet is labelled and each digit represents a specific production site for each stage of manufacture



Example: "ITS - C1114"

Poly-Si		Ingot		Wafer		Cell		Module	
Code	Factory	Code	Factory	Code	Factory	Code	Factory	Code	Factory
C	Customised Silicon	1	Baotou	1	Donghai	1	Ningjin	4	Yiwu

JA Due Diligence Approach

JA Solar has a zero-tolerance position towards modern slavery and human trafficking and undergoes regular third-party audits to ensure compliance with international standards and transparency. The company is a founding sponsor of the Solar Power Europe "Solar Stewardship Initiative".

JA Solar is strongly committed to ensure that our operations and supply chain are free from any form of forced labour. JA Solar is a signatory to the United Nations Global Compact, and we adhere to its Ten Principles reflecting human rights, labour, the environment and anti-corruption. JA Solar continues to review its relationship with suppliers and is committed to continually working to provide a completely traceable supply chain.

