SUPPLY CHAIN TRACEABILITY

This document outlines a traceability protocol implemented by the Seller aimed at determining the geographical locations of the silicon based product used in the Product and the location of each processing step used in the supply chain from Modules, Cells, Wafer, Ingot to Polysilicon Raw Material .

1: Restricted Use of Factory, Polysilicon Locations and Labelling

1.1 Sellers Factories

The Seller is required to use only the factories listed below for the production of all silicon-based products.

Process	Company name	Locations
Ingot	Baotou JA Solar Technology Co., Ltd	Baotou, China
Ingot	JA SOLAR (XINGTAI) CO., LTD.	Hebei Province, China
Ingot	Qujing Jinglong Electronic Materials Co., Ltd	Yunnan Province, China
Ingot	Qujing JA Solar Technology Co., Ltd.	Yunnan Province, China
Wafer	Jing Hai Yang Semiconductor Materials (Dong Hai) Co., Ltd.	JiangSu Province, China
Wafer	Baotou JA Solar Technology Co.,Ltd.	Inner Mongolia Province, China
Wafer	Xingtai Jinglong Electronic material Co., Ltd.	Hebei Province, China
Wafer	Qujing JA Solar	Qujing, China
Wafer	Shijiazhuang JA Solar Technology Co., Ltd.	Hebei, Province
Cell	Qujing JA Solar	Qujing, China
Cell	Dongtai JA Solar	Jiangsu Province, China
Cell	ShiJIaZhuang JA Solar Technology Ltd	Hebei Province, China
Cell	JA (Yangzhou) Solar Technology Ltd	Jiangu Province, China
Module	Dongtai JA Solar	Jiangsu Province, China
Module	JA SOLAR (XINGTAI) CO., LTD.	Hebei Province, China
Module	Hefei JA Solar Technology Co., Ltd.	Anhui Province, China
Module	JA Solar Technology Yangzhou Co.,Ltd.	Jiangu Province, China
Module	Yiwu JA Solar Technology Co.,Ltd	ZheJiang Province, China

Where exacting details of the Supplier Factory Locations are listed in Exhibit A

1.2 Approved Polysilicon Suppliers

The Seller may procure and use only materials from the Polysilicon suppliers from Production Regions listed below:

Locations
Sichuan, Inner Mongolia
Qinghai
Inner Mongolia
Jiangsu, Sichuan, Inner Mongolia
Inner Mongolia
Qinghao

1.3 Product Labelling

Products will include reasonable and clear labelling on the module indicating the specific Sellers factories used in their production.

This labelling shall include codes detailed in the List of Seller Designated Suppliers and Sellers Factories with the details of the code detailed in Exhibit B.

2. Supplier Mapping and Factory Utilization Mandate

2.1 Supply Chain Mapping in Contract and Production

The initial supply chain map is provided as part of the contract (Exhibit A), outlining potential factories for each manufacturing stage: ingot, wafer, cell, and module

The Seller must furnish the definitive supply chain map, specifying the actual Seller factories to be used in production, no later than one month prior to the commencement of production.

These specified factories, as detailed in the definitive map, constitute the exclusive locations authorized for production.

2.2 Traceability System Report Audit Requirement

The Seller may at any time as required by the Buyer in advance of production provide a Traceability System Report Audit to the Buyer, or the Buyer has the right to conduct its own audits.

The objective is to investigate the supply chain map, including of location of orgin of Poly Silicon materials and examining the traceability systems in place at the factories listed in the map thorough examination of documentation, record-keeping systems, and supply chain maps to assess the integrity and effectiveness of traceability systems at these facilities.

Where Key Elements include the review of systems in place to accurately track:

Supply chain maps, vendor markers, batch/lot identification, and origin marking methods.

Documentation of supply chain transactions: contracts (with specific contract numbers), purchase orders, invoices, bill(s) of lading, delivery records, and their link to material, vendor, and batch/lot identifiers.

System-level procedures and operations-level processes for control over input materials: raw material planning

& purchasing, receiving, warehousing, incoming raw material identification, Warehouse Management System (WMS), Manufacturing Execution System (MES), Enterprise Resource Planning (ERP), labelling, packaging, inventory, and shipping procedures.

Traceability infrastructure features and protocols for data collection, records maintenance, reporting, and inquiry handling.

These audits are aimed at ensuring that the factories listed in the supply chain are able to adhere to the required standards of traceability and can reasomabley be able to comply with stipulated supply chain requirements .

3. Traceability Audit Requirment

Objective: To ensure exactling compliance with the use of only approved polysilicon suppliers and to maintain a transparent and traceable supply chain.

3.1 On-site Verification

Scope: Verification of the practical implementation of the chain of custody and traceability systems at the Seller's facilities.

Where Key Elements include the below:

Pre-Audit Preparation: Identify specific product batch, gather relevant documents.

Verification of Raw Material Receipt and Storage: Examine raw material records, physical inspection of raw materials.

Production Process Review: Trace manufacturing process, verify work order compliance.

Inspection and Quality Control Checks: Review quality control records, conduct physical inspection of finished products.

Final Product Traceability Verification: Check final product records, confirm packing and shipping details.

Review of product labelling to ensure it accurately reflects the factories used in production, as per the codes detailed in Exhibit B.

Outcome: A comprehensive report detailing the audit findings, confirming the traceability of the products from raw materials to finished goods.

Exhibit A - Seller Factory Locations

Short ref	Company name	Address
Baotou	Baotou JA Solar Technology Co., Ltd	21 Equipment Avenue, New Planning Area, Equipment Park, QingShan District, Baotou City.
Qujing	Qujing JA Solar	North of Nanhai Avenue and east of Shaoxi Road, Qujing Economic and Technological Development Zone, Qujing City, Yun Nan Province

XIngtai New energy	Xingtai Jinglong New Energy Co., Ltd	No. 188 XinDu Road, Xingtai Development Zone, Xingtai City, Hebei Province, China
Qujing JingLong	Qujing Jinglong Electronic Materials Co., Ltd	East of No. 1 PV Road and south of Nanhai Avenue, Qujing Economic Development Zone, Yunnan
Yiwu	Yiwu JA Solar Technology Co.,Ltd	No.165, Tongze Road, Yiting Town, 322000 Yiwu City, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA
Xingtai Jinglong	Xingtai Jinglong Electronic material Co., Ltd.	Xingda Street, Nanyuan district, Xintai dev. zone, Xingtai, Hebei Province
Xingtai	JA SOLAR (XINGTAI) CO., LTD.	1688 CHANGAN ROAD, ECONOMIC DEVELOPMENT ZONE, XINGTAI, HEBEI PROVINCE, CHINA
Hefei	Hefei JA Solar Technology Co., Ltd.	No. 999, Changning Avenue, Gaoxin District, Hefei City, Anhui Province, China
Ningjin	JingAo Solar Co., Ltd.	5th Jinglong Industrial Park, No. 123 Xinxing Road Ningjin, Xingtai City, Hebei Province, China
ShJIaZhuang	Shi Jia ZHUANG JA Solar	No. 377, Yanshan Street, High-tech Zone, Shijiazhuang City, Hebei Province , China
Dongtai	Dongtai JA Solar	No. 8, North Zaofeng Road, Dongtai High-tech Zone, Yan Cheng City, Jiang Su Province.

Exhibit B - Initial Authorized Factories and Identifiers

The table presents the initial authorized factories for production with the corresponding identifiers for module labelling, approved for present operations. This list may be updated through mutual agreement.

Where the code "C" can be identified as any PolySilicon Factory locations listed in Exhibit C. **Short form Factory list and Codes per production segment**

Polysilicon		Ingot		Wafer		Cell		Module	
Factory	Code	Factory	Code	Factory	Code	Factory	Code	Factory	Code
Customisation	C	Baotou	1	Erdos	1	Ningjin	1	Fengxian	1
		Jingxing	2	Ningjin	2	Yangzhou	2	Yangzhou	2
		Qujing	3	Shijiazhuang	3	Yiwu	3	Yiwu	3
		Xingtai	4	Xingtai	4	Shijiazhuang	4	Hefei	4
		Erdos	7	Qujing	6	Dongtai	7	Xingtai	6
				Baotou	7	Qujing	8	Dongtai	9
						Erdos	9	Baotou	0
								Qujing	A

Example of Label (ITS -C1114)