

FOREIGN PRODUCERS'/EXPORTERS' QUESTIONNAIRE

CRYSTALLINE SILICON PHOTOVOLTAIC CELLS (WHETHER OR NOT PARTIALLY OR FULLY ASSEMBLED INTO OTHER PRODUCTS)

This questionnaire must be received by the Commission by **August 31, 2023**
See last page for instructions regarding how to file this questionnaire.

The information called for in this questionnaire is for use by the United States International Trade Commission in connection with investigation No. TA-201-075 (Second Monitoring), Crystalline Silicon Photovoltaic ("CSPV") Cells (Whether or Not Partially or Fully Assembled Into Other Products) ("CSPV Products"): Monitoring Developments in the Domestic Industry, under section 204 of the Trade Act of 1974 (19 U.S.C. § 2254). The information requested in the questionnaire is needed to supplement data available to the Commission from other sources and is requested under the authority of section 204 of the Tariff Act of 1974.

Name of firm _____

Address _____

Website _____

Has your firm produced or exported CSPV products (as defined on next page) at any time since January 1, 2020?

☐ **NO** (Sign the certification below and promptly return **only** this page of the questionnaire to the Commission)

☐ **YES** (Complete all parts of the questionnaire, and return the entire questionnaire to the Commission)

Data reported in this questionnaire relate to (Check one):

☐ Cambodia

☐ Malaysia

☐ South Korea

☐ Thailand

☐ Vietnam

☐ Other _____

Return questionnaire via the Commission *Drop Box* by clicking on the following link:
<https://dropbox.usitc.gov/oinv/>. (PIN: **CSPV**). See last page for detailed instructions.

CERTIFICATION

I certify that the information herein supplied in response to this questionnaire is complete and correct to the best of my knowledge and belief and understand that the information submitted is subject to audit and verification by the Commission. By means of this certification I also grant consent for the Commission, and its employees and contract personnel, to use the information provided in this questionnaire and throughout this proceeding in any other import-injury proceedings, reviews, or general factfinding investigations conducted by the Commission on the same or similar merchandise.

I, the undersigned, acknowledge that information submitted in response to this request for information and throughout this proceeding or other proceedings may be disclosed to and used: (i) by the Commission, its employees and Offices, and contract personnel (a) for developing or maintaining the records of this or a related proceeding, or (b) in internal investigations, audits, reviews, and evaluations relating to the programs, personnel, and operations of the Commission including under 5 U.S.C. Appendix 3; or (ii) by U.S. government employees and contract personnel, solely for cybersecurity purposes. I understand that all contract personnel will sign appropriate nondisclosure agreements. I understand that the confidential business information that is furnished may be transmitted to the Office of the United States Trade Representative (USTR) and may be included in a confidential version of the report that the Commission transmits to the President and USTR for use in decision-making related to this proceeding.

Name of Authorized Official

Title of Authorized Official

Date

Signature

Phone

Email address

PART I.—GENERAL INFORMATION

Background. On January 23, 2018, the President, pursuant to section 203 of the Trade Act of 1974, issued Proclamation 9693, imposing a safeguard measure on imports of CSPV products, in the form of (a) a tariff-rate quota on imports of CSPV (or “solar”) cells not partially or fully assembled into other products and (b) an increase in duties on imports of CSPV modules. The proclamation was published in the Federal Register on January 25, 2018 (83 Fed. Reg. 3541). The measure took effect on February 7, 2018, for a period of four years, and was extended for an additional period of four years, or through February 6, 2026. Section 204(a) of the Act requires the Commission to submit a report to the President and Congress on its monitoring of industry developments at the midpoint of the initial period of relief and of each such extension, including the progress and specific efforts made by workers and firms in the domestic industry to make a positive adjustment to import competition. Questionnaires and other information pertinent to this proceeding are available at <https://ids.usitc.gov/case/4545/investigation/8408>.

Crystalline Silicon Photovoltaic (“CSPV”) Cells (Whether or Not Partially or Fully Assembled Into Other Products) (“CSPV products”).--The articles covered by the investigation are crystalline silicon photovoltaic cells, whether or not partially or fully assembled into other products, including, but not limited to, modules, laminates, panels and building-integrated materials.

The investigation covers crystalline silicon photovoltaic cells of a thickness equal to or greater than 20 micrometers, having a p/n junction (or variant thereof) formed by any means, whether or not the cell has undergone other processing, including, but not limited to, cleaning, etching, coating, and/or addition of materials (including, but not limited to, metallization and conductor patterns) to collect and forward the electricity that is generated by the cell.

Included in the scope of the investigation are photovoltaic cells that contain crystalline silicon in addition to other photovoltaic materials. This includes, but is not limited to, passivated emitter rear contact (“PERC”) cells, heterojunction with intrinsic thin-layer (“HIT”) cells, and other so-called “hybrid” cells.

Articles under consideration may be described at the time of importation as components for final finished products that are assembled after importation, including, but not limited to, modules, laminates, panels, and building-integrated materials.

Excluded from the investigation are CSPV cells, whether or not partially or fully assembled into other products, if the CSPV cells were manufactured in the United States.

Also excluded from the investigation are thin film photovoltaic products produced from amorphous silicon (“a-Si”), cadmium telluride (“CdTe”), or copper indium gallium selenide (“CIGS”).

Also excluded from the scope of the investigation are CSPV cells, not exceeding 10,000mm² in surface area, that are permanently integrated into a consumer good whose function is other than power generation and that consumes the electricity generated by the integrated CSPV cell. Where more than one CSPV cell is permanently integrated into a consumer good, the surface area for purposes of this exclusion shall be the total combined surface area of all CSPV cells that are integrated into the consumer good.

The CSPV products covered by the investigation are currently provided for under Harmonized Tariff Schedule of the United States (“HTSUS”) subheadings 8541.42.00 and 8541.43.00. Prior to January 27, 2022, CSPV products were provided for under HTSUS subheading 8541.40.60. Inverters or batteries with CSPV cells attached can be imported under HTSUS subheadings 8501.61.00 and 8507.20.80, respectively. In addition, CSPV cells covered by the investigation may also be classifiable as DC generators under HTSUS subheadings 8501.71.00, 8501.72.10, and 8501.72.20 when such generators are imported with CSPV cells attached. Prior to January 27, 2022, such DC generators were classified under HTSUS subheadings 8501.30.80 and 8501.32.60. While HTSUS provisions are provided for convenience, the written description of the scope is dispositive.¹

Product Exclusions.—

Presidential Proclamation 9693 excluded the following “low wattage” products from application of the safeguard measure, which took effect on February 7, 2018 (83 Fed. Reg. 3541, January 25, 2018):

- 10 to 60 watt, inclusive, rectangular solar panels, where the panels have the following characteristics: (A) Length of 250 mm or more but not over 482 mm or width of 400 mm or more but not over 635 mm, and (B) surface area of 1000 cm² or more but not over 3,061 cm², provided that no such panel with those characteristics shall contain an internal battery or external computer peripheral ports at the time of entry.
- 1 watt solar panels incorporated into nightlights that use rechargeable batteries and have the following dimensions: 58 mm or more but not over 64 mm by 126 mm or more but not over 140 mm.
- 2 watt solar panels incorporated into daylight dimmers that may use rechargeable batteries, such panels with the following dimensions: 75 mm or more but not over 82 mm by 139 mm or more but not over 143 mm.
- Off-grid and portable CSPV panels, whether in a foldable case or in rigid form containing a glass cover, where the panels have the following characteristics: (a) A total power output of 100 watts or less per panel; (b) a maximum surface area of 8,000 cm² per panel; (c) does not include a built-in inverter; and where the panels have glass covers, such panels must be in individual retail packaging (in this context, retail packaging typically includes graphics, the product name, its description and/or features, and foam for transport).
- 3.19 watt or less solar panels, each with length of 75 mm or more but not over 266 mm and width of 46 mm or more but not over 127 mm, with surface area of 338 cm² or less, with one black wire and one red wire (each of type 22 AWG or 24 AWG) not more than 206 mm in length when measured from panel edge, provided that no such panel shall contain an internal battery or external computer peripheral ports.
- 27.1 watt or less solar panels, each with surface area less than 3,000 cm² and coated across the entire surface with a polyurethane doming resin, the foregoing joined to a battery charging and maintaining unit, such unit which is an acrylonitrile butadiene styrene (ABS) box that incorporates a light emitting diode (LED) by coated wires that include a connector to permit the incorporation of an extension cable.

The following additional CSPV products entered, or withdrawn from a warehouse for consumption, on or after 12:01 a.m., EST, on September 19, 2018 are also excluded from the safeguard measure (83 Fed. Reg. 47393, September 19, 2018):

¹ CSPV products covered by the scope are currently subject to tariff-rate quotas under a safeguard measure imposed effective February 7, 2018, under subheadings 9903.45.21 and 9903.45.22 (CSPV cells) and 9903.45.25 (CSPV modules) and related legal notes.

- off-grid, 45 watt or less solar panels, each with length not exceeding 950 mm and width of 100 mm or more but not over 255 mm, with a surface area of 2,500 cm² or less, with a pressure-laminated tempered glass cover at the time of entry but not a frame, electrical cables or connectors, or an internal battery.
- 4 watt or less solar panels, each with a length or diameter of 70 mm or more but not over 235 mm, with a surface area not exceeding 539 cm², and not exceeding 16 volts, provided that no such panel with these characteristics shall contain an internal battery or external computer peripheral ports at the time of entry.
- solar panels with a maximum rated power of equal to or less than 60 watts, having the following characteristics, provided that no such panel with those characteristics shall contain an internal battery or external computer peripheral ports at the time of entry: (A) Length of not more than 482 mm and width of not more than 635 mm or (B) a total surface area not exceeding 3,061 cm².
- flexible and semi-flexible off-grid solar panels designed for use with motor vehicles and boats, where the panels range in rated wattage from 10 to 120 watts, inclusive.
- frameless solar panels in a color other than black or blue with a total power output of 90 watts or less where the panels have a uniform surface without visible solar cells or busbars.
- solar cells with a maximum rated power between 3.4 and 6.7 watts, inclusive, having the following characteristics: (A) A cell surface area between 154 cm² and 260 cm², inclusive, (B) no visible busbars or gridlines on the front of the cell, and (C) more than 100 interdigitated fingers of tin-coated solid copper adhered to the back of the cell, with the copper portion of the metal fingers having a thickness of greater than 0.01 mm.
- solar panels with a maximum rated power between 320 and 500 watts, inclusive, having the following characteristics: (A) Length between 1,556 mm and 2,070 mm inclusive, and width between 1,014 mm and 1,075 mm, inclusive, (B) where the solar cells comprising the panel have no visible busbars or gridlines on the front of the cells, and (C) the solar cells comprising the panel have more than 100 interdigitated fingers of tin-coated solid copper adhered to the back of the cells, with the copper portion of the metal fingers having thickness greater than 0.01 mm.
- modules incorporating only CSPV cells that are products of the United States and not incorporating any CSPV cells that are the product of any other country.

The following additional CSPV products entered, or withdrawn from a warehouse for consumption, on or after 12:01 a.m., EST, on June 13, 2019 are also excluded from the safeguard measure (84 Fed. Reg. 27684, June 13, 2019):

- bifacial solar panels that absorb light and generate electricity on each side of the panel and that consist of only bifacial solar cells that absorb light and generate electricity on each side of the cells.
- flexible fiberglass solar panels without glass components other than fiberglass, such panels having power outputs ranging from 250 to 900 watts.
- solar panels consisting of solar cells arranged in rows that are laminated in the panel and that are separated by more than 10 mm, with an optical film spanning the gaps between all rows that is designed to direct sunlight onto the solar cells, and not including panels that lack said optical film or only have a white or other backing layer that absorbs or scatters sunlight.

In this questionnaire submission, please report merchandise that was covered by the Presidential proclamations on the safeguard measure, as well as data for bifacial modules over the entire data collection period regardless of whether they were excluded from duties.

CSPV cell.--A crystalline silicon photovoltaic ("CSPV") cell converts sunlight to electricity and is the basic element of a module. The investigation covers CSPV cells of a thickness equal to or greater than 20 micrometers, having a p/n junction (or variant thereof) formed by any means, whether or not the cell has undergone other processing, including, but not limited to, cleaning, etching, coating, and/or addition of materials (including, but not limited to, metallization and conductor patterns) to collect and forward the electricity that is generated by the cell. Included are photovoltaic cells that contain crystalline silicon in addition to other photovoltaic materials. This includes, but is not limited to, passivated emitter rear contact ("PERC") cells, heterojunction with intrinsic thin-layer ("HIT") cells, and other so-called "hybrid" cells.

CSPV module.--A joined group of CSPV cells, regardless of the number of cells or the shape of the joined group, that are capable of generating electricity. The term "**module**" is frequently used interchangeably with the term "**panel**." A "**lamine**" is a module that does not have a frame.

CSPV products = CSPV cells + CSPV modules

Bifacial.—The term "bifacial" describes CSPV products that absorb light and generate electricity on each side of the cells or modules. For CSPV modules to be considered "bifacial," the modules must consist solely of bifacial CSPV cells that absorb light and generate electricity on each side of the cells. In this questionnaire, data are gathered on both bifacial CSPV modules and bifacial CSPV cells, but only bifacial CSPV modules (or panels) are currently excluded from the safeguard measures.

Importer.--Any person or firm engaged, either directly or through a parent company or subsidiary, in importing CSPV cells and modules (as defined above) into the United States from a foreign manufacturer or through its selling agent.

Reporting of information.--If information is not readily available from your records in exactly the form requested, furnish carefully prepared estimates. If your firm is completing more than one questionnaire in connection with this proceeding (i.e., a producer, importer, and/or purchaser questionnaire), you need to respond only once to duplicated questions in the questionnaires.

Confidentiality.-- The commercial and financial data furnished in response to this questionnaire that reveal the individual operations of your firm will be treated as confidential by the Commission to the extent that such data are not otherwise available to the public and will not be disclosed except as may be required by law (see 19 CFR §§ 206.17(a)(1) and 206.52(c)). Such confidential information will not be published in a manner that will reveal the individual operations of your firm; however, general characterizations of numerical business proprietary information (such as discussion of trends) will be treated as confidential business information only at the request of the submitter for good cause shown.

Verification.--The information submitted in this questionnaire is subject to audit and verification by the Commission. To facilitate possible verification of data, please keep all of your files, worksheets, and supporting documents used in the preparation of the questionnaire response. Please also retain a copy of the final document that you submit.

Release of information.--The information provided by your firm in response to this questionnaire, as well as any other confidential business information submitted by your firm to the Commission in connection with this proceeding, may become subject to, and released under, the administrative protective order provisions of the Trade Act of 1974 (19 U.S.C. § 2252(i)) and sections 206.17 and 206.52 of the Commission's Rules of Practice and Procedure (19 CFR §§ 206.17(a)(1) and 206.52(c)). This means that certain lawyers and other authorized individuals may temporarily be given access to the

information for use in connection with this proceeding or other import-injury proceedings conducted by the Commission on the same or similar merchandise; those individuals would be subject to severe penalties if the information were divulged to unauthorized individuals.

Valid number error messages.--If you are completing this form in a country that uses periods (".") to delineate multiples of 1000 (e.g., one million would appear as \$1.000.000 rather than \$1,000,000), you may be unable to enter in numbers greater than 999 in numeric form fields. The solution to this data entry issue is to temporarily change your operating system's number formatting to be consistent with the U.S. number formatting system while you complete this form. Detailed instructions on how to resolve this issue are provided at the end of this questionnaire and are available upon request from **Andres Andrade (202-205-2078, andres.andrade@usitc.gov)**.

D-GRIDS tool.--The Commission has a tool that firms can use to move data from their own MS Excel compilation files into self-contained data tables within this MS Word questionnaire, thereby reducing the amount of cell-by-cell data entry that would be required to complete this form. This tool is a macro-enabled MS Excel file available for download from the Commission's generic questionnaires webpage (https://www.usitc.gov/trade_remedy/question.htm) called the "D-GRIDs tool." Use of this tool to help your firm complete this questionnaire is optional. Firms opting to use the D-GRIDs tool to populate their data into this questionnaire will need the D-GRIDs specification sheet PDF file specific to this proceeding (available on the case page which is linked under the "Background" above) which includes the necessary references relating to this questionnaire, as well as the macro-enable MS Excel D-GRIDs tool itself from the generic questionnaires page. More detailed instructions on how to use the D-GRIDs tool are available within the D-GRIDs tool itself.

I-1. **Reporting requirements.**--Please report below the actual number of hours required and the cost to your firm of completing this questionnaire for use by the Office of Management and Budget.

Hours	Dollars

The questions in this questionnaire have been reviewed with market participants to ensure that issues of concern are adequately addressed and that data requests are sufficient, meaningful, and as limited as possible. Public reporting burden for this questionnaire is estimated to average 50 hours per response, including the time for reviewing instructions, gathering data, and completing and reviewing the questionnaire.

We welcome comments regarding the accuracy of this burden estimate, suggestions for reducing the burden, and any suggestions for improving this questionnaire. Please provide such comments to the Office of Investigations, import_injury@usitc.gov.

- I-2. **Establishments covered**--Provide the name and address of establishment(s) covered by this questionnaire.

“Establishment”--Each facility of a firm in a country involved in the production or export of CSPV products, including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities. Firms operating more than one establishment in a country should combine the data for all establishments into a single report.

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“Related firm”—A firm that your firm solely or jointly owned, managed, or otherwise controlled; a firm that solely or jointly owned, managed, or otherwise controlled your firm; and/or a firm that was solely or jointly owned, managed, or otherwise controlled by a firm that also solely or jointly owned, managed, or otherwise controlled your firm.

- I-3. **Related producers**--Does your firm or any related firm produce, have the capability to produce, or have any plans to produce CSPV products in the United States or other countries?

No	Yes	If yes, please name the firm(s) and country(ies) below and, if U.S. producer(s), ensure that they complete the Commission’s producer questionnaire.
<input type="checkbox"/>	<input type="checkbox"/>	

- I-4. **Related U.S. importers**--Does your firm or any related firm import or have any plans to import CSPV products into the United States?

No	Yes	If yes, please name the firm(s) below and ensure that they complete the Commission’s importer questionnaire.
<input type="checkbox"/>	<input type="checkbox"/>	

- I-5. **Stock symbol information**-- If your firm or any of the entities reported in questions I-2 through I-4 are publicly traded in the United States, please specify the stock exchange and trading symbol (including American Depositary Receipts, if applicable): _____.

- I-6. **External counsel**-- If your firm or parent firm is represented by external counsel in relation to this proceeding, please specify the name of the law firm and the lead attorney(s).

Law firm:	
Lead attorney(s):	

I-7. **U.S. importers.**--Please provide the names, contacts, telephone numbers, and e-mail addresses of the **TEN** largest U.S. importers of your firm's CSPV products since January 1, 2020.

Importer's name		Contact person	Email	Telephone	Share of your firm's 2022 U.S. exports (%)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

PART II.--TRADE AND RELATED INFORMATION

Further information on this part of the questionnaire can be obtained from **Andres Andrade (202-205-2078, Andres.Andrade@usitc.gov)**. Supply all data requested on a calendar-year basis.

II-1. **Contact information.**--Please identify the responsible individual and the manner by which Commission staff may contact that individual regarding the confidential information submitted in part II.

Name	
Title	
Email	
Telephone	

II-2a. **Changes in operations.**--Please indicate whether your firm has experienced any of the following changes in relation to the production of CSPV products since January 1, 2020.

<i>Check as many as appropriate.</i>		<i>If checked, please describe the nature, timing / duration, and impact on operations of any such reported changes as well as the business reasons for them; leave completely blank if not applicable</i>
<input type="checkbox"/>	Plant openings	
<input type="checkbox"/>	Plant closings	
<input type="checkbox"/>	Prolonged shutdowns	
<input type="checkbox"/>	Production curtailments	
<input type="checkbox"/>	Relocations	
<input type="checkbox"/>	Expansions	
<input type="checkbox"/>	Acquisitions/mergers/buyouts	
<input type="checkbox"/>	Consolidations	
<input type="checkbox"/>	Weather-related or force majeure events	
<input type="checkbox"/>	Other (e.g., revised labor agreements, technology)	

- II-2b. **COVID-19 pandemic.**—Has the COVID-19 pandemic or have any government actions taken to contain the spread of the COVID-19 virus resulted in changes in your firm's supply chain arrangements, production, and shipments (including exports to the United States) relating to CSPV products? In your response, please discuss the duration and timing of any such changes as they relate to your firm's operations.

No	Yes	If yes, describe these changes including the impact over time on the (a) supply chain and (b) production and shipments with respect to CSPV products.
<input type="checkbox"/>	<input type="checkbox"/>	

- II-2c. **Anticipated changes in operations.**—Does your firm anticipate any changes in the character of its operations or organization (as noted above) relating to the production of CSPV products in the future?

No	Yes	If yes, supply details as to the time, nature, and significance of such changes and provide underlying assumptions.
<input type="checkbox"/>	<input type="checkbox"/>	

- II-3. **Significance of safeguard measure.**—Describe the significance of the safeguard measure imposed by the President effective on February 7, 2018 and extended on February 7, 2022, in terms of its effect on your firm's production, production capacity, home market shipments, exports to the United States and other markets, and inventories. You may wish to compare your firm's operations before and after the imposition of the measure.

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- II-4. **Practical overall capacity constraints.**--Please describe the constraint(s) that set the limit(s) on your firm's practical overall capacity since January 1, 2020. If different constraints were binding over different periods reported, please specify when each constraint was limiting your reported practical overall capacity. If a constraint was not actually binding over the period reported, but was still a constraint to achieving the installed capacity level, indicate at what level it would have been binding.

"Practical capacity" or "capacity" --The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. This capacity measure is based on not only existing capital investments, i.e., machinery and equipment that is in place and ready to operate; but also non-capital investment constraints, such as (1) normal operating conditions, including normal downtime for maintenance, repair, and cleanup; (2) your firm's existing in place and readily available labor force; (3) availability of material inputs; and (4) any other constraints that may have limited your firm's ability to produce the reported products. Importantly, this capacity measure is the maximum "practical" production your firm could have achieved without hiring new personnel or expanding the number of shifts operated in the period.

Constraint (check as many as appropriate)	Description (If checked, please describe the details, timing, and duration of the constraint; leave completely blank if not applicable)
<input type="checkbox"/> Production bottlenecks	
<input type="checkbox"/> Existing labor force	
<input type="checkbox"/> Supply of material inputs	
<input type="checkbox"/> Fuel or energy	
<input type="checkbox"/> Storage capacity	
<input type="checkbox"/> Logistics/transportation	
<input type="checkbox"/> Other constraints (list the specific constraints in the description field)	

II-5. **Share of sales.**--What percentage of your firm's total sales in its most recent fiscal year was represented by sales of CSPV products? _____ percent.

II-6. **Firm's estimated share of production in the identified country.**--Please estimate the percentage of total production of CSPV products in the country specified on the certification page accounted for by your firm's production in 2022.

CSPV cells: _____ percent.

CSPV modules: _____ percent.

II-7. **Firm's estimated share of exports from the identified country.**--Please estimate the percentage of total exports to the United States of CSPV products from the country specified on the certification page accounted for by your firm's exports in 2022.

CSPV cells: _____ percent.

CSPV modules: _____ percent.

II-8. **Third country trade actions.**--Is the CSPV products exported by your firm subject to antidumping/countervailing duty/safeguard findings, remedies, or proceedings?

No	Yes	If yes--List the products(s), countries affected, and the date of such findings/remedies/proceedings.
<input type="checkbox"/>	<input type="checkbox"/>	

II-9. **CSPV products production.**--Since January 1, 2020, has your firm produced CSPV products (i.e., CSPV cells or CSPV laminates, panels, or modules (regardless of the origin of the cell)), or does your firm plan to produce CSPV products in the future (i.e., 2024-2026)?

	No actual or planned production	Yes, actual production since January 1, 2020	Yes, planned production in the future (2024-2026) ¹
CSPV cells	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CSPV modules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
¹ Please explain the basis and key assumptions for your firm's projections for CSPV cells and/or modules: _____.			

II-10a. **CSPV production by cell type.**--If your firm reported actual or planned production of CSPV products in question II-12, please indicate below the type of cell(s) for which data are being reported in this questionnaire (i.e. either direct cell production or modules produced including these cell(s)) and provide an explanation concerning any product mix changes that have occurred since January 1, 2020. Please also indicate, if your firm is planning production in the future, the types of cells for which production is planned.

Check type of cell(s) for which data are reported in this questionnaire. Check all that apply.		
Actual production since January 1, 2020	Planned production in the future (2024- 2026)	Cell type
<input type="checkbox"/>	<input type="checkbox"/>	Mono cells
<input type="checkbox"/>	<input type="checkbox"/>	Multi cells
<input type="checkbox"/>	<input type="checkbox"/>	PERC cells
<input type="checkbox"/>	<input type="checkbox"/>	Heterojunction cells
<input type="checkbox"/>	<input type="checkbox"/>	Bifacial cells
<input type="checkbox"/>	<input type="checkbox"/>	P-type cells
<input type="checkbox"/>	<input type="checkbox"/>	N-type cells
<input type="checkbox"/>	<input type="checkbox"/>	Greater than 162 x 162 millimeter cells
<input type="checkbox"/>	<input type="checkbox"/>	Other cells (please describe):
If checked, please provide explanation of any product mix changes since January 1, 2020. .		

- II-10b. **CSPV production by form factor.**-- If your firm reported actual or planned production of CSPV products in question II-12, please indicate below the type of cell form factor(s) for which data are being reported in this questionnaire (i.e., either direct cell production or modules produced including these cell(s)) and provide an explanation concerning any product mix changes that have occurred since January 1, 2020. Please also indicate, if your firm is planning production in the future, the cell form factors for which production is planned.

Check applicable cell form factor(s) for which data are reported in this questionnaire. Check all that apply.		
Actual production since January 1, 2020	Planned production in the future (2024-2026)	Cell type
<input type="checkbox"/>	<input type="checkbox"/>	M0
<input type="checkbox"/>	<input type="checkbox"/>	G1
<input type="checkbox"/>	<input type="checkbox"/>	M2
<input type="checkbox"/>	<input type="checkbox"/>	M4
<input type="checkbox"/>	<input type="checkbox"/>	M6
<input type="checkbox"/>	<input type="checkbox"/>	Larger than M6
<input type="checkbox"/>	<input type="checkbox"/>	All other cell form factors (please describe):
If checked, please provide explanation of any product mix changes since January 1, 2020. .		

II-11. **Trade data.**—

Report your firm's capacity, production, shipments, and inventories related to the production of CSPV modules and CSPV cells in your establishment(s) in your establishments during the specified periods. Do not include resales of CSPV cells and CSPV modules that your firm did not produce in this question; those data to the degree they are exported to the United States should only be reported in question II-12.

Do not submit data by manufacturing facility if they are in the same country. If your firm has multiple manufacturing establishments within one country, you are required to combine data for those establishments within one foreign producer questionnaire response.

Do not submit data on multiple countries combined. The establishments reported here should all be located in the country of the firm's address reported on the certification page (page 1). Multinational companies with production in multiple subject countries should submit separate foreign producer questionnaire responses for each country.

"Practical capacity" or "capacity"—The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. This capacity measure is based on not only existing capital investments, i.e., machinery and equipment that is in place and ready to operate; but also non-capital investment constraints, such as (1) normal operating conditions, including normal downtime for maintenance, repair, and cleanup; (2) your firm's existing in place and readily available labor force; (3) availability of material inputs; and (4) any other constraints that may have limited your firm's ability to produce the reported products. Importantly, this capacity measure is the maximum "practical" production your firm could have achieved without hiring new personnel or expanding the number of shifts operated in the period.

"Production"—All production in your establishment(s), including production consumed internally within your firm.

"Shipments"--Shipments of products produced in your establishment(s) in the country indicated on page 1. Quantities reported should be net of returns.

"Home market commercial shipments"--Shipments, other than internal consumption and transfers to related firms, within country indicated on page 1.

"Home market internal consumption/transfers to related firms"--Shipments made to related firms in the country indicated on page 1, including product consumed internally by your firm.

"Export shipments"--Shipments to destinations outside of the country indicated on page 1, including shipments to related firms.

"Inventories"--Finished goods inventory, not raw materials or work-in-progress.

Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the trade data, as Commission staff may contact your firm regarding questions on the trade data. The Commission may also request that your company submit copies of the supporting documents/records (such as production and sales schedules, inventory records, etc.) used to compile these data.

Production, shipment and inventory data: CSPV cells--Report your firm's production capacity, production, shipments, and inventories related to the production of **CSPV cells** during the specified periods.

Quantity (in kilowatts)							
Item	Calendar year			January-June		Projections ¹	
	2020	2021	2022	2022	2023	2023	2024
Practical CSPV cell capacity² (A)							
Beginning-of-period inventories (B)							
Production³ (C)							
Home market shipments:							
Internal consumption/ transfers (D)							
Commercial shipments (E)							
Export shipments:							
to the United States (F)							
to all other markets (G) ⁴							
Total exports (H)	0	0	0	0	0	0	0
Total shipments (I)	0	0	0	0	0	0	0
End-of-period inventories (J)							

¹ Explain the basis of your firm's projections: _____.

² The production capacity reported is based on operating _____ hours per week, _____ weeks per year. Please describe the methodology used to calculate production capacity, explain any changes in reported capacity, and describe the constraint(s) that set the limit(s) on your firm's average production capacity (use additional pages as necessary). _____.

³ Indicate the following shares of your firm's 2022 production: Bifacial cells _____% and Non-bifacial cells: _____%.

⁴ Identify your firm's principal other export markets: _____.

RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.--Generally, the data reported for the end-of-period inventories (i.e., line R) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, F, H, J, L, and N). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

Item	Actual experience					Projections	
	Calendar year			January-June		Calendar year	
	2020	2021	2022	2022	2023	2023	2024
B + C – D – E – F – G – J = should equal zero ("0") or provide an explanation. ¹	0	0	0	0	0	0	0
¹ Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.							

Production, shipment and inventory data: CSPV modules--Report your firm's production capacity, production, shipments, and inventories related to the production of CSPV cells assembled into a panel or module during the specified periods.

Quantity (in kilowatts)							
Item	Calendar year			January-June		Projections ¹	
	2020	2021	2022	2022	2023	2023	2024
Practical CSPV module capacity² (A)							
Beginning-of-period inventories (B)							
Production^{3 4} (C)							
Home market shipments:							
Internal consumption/ transfers (D)							
Commercial shipments (E)							
Export shipments:							
to the United States (F)							
to all other markets (G) ⁵							
Total exports (H)	0	0	0	0	0	0	0
Total shipments (I)	0	0	0	0	0	0	0
End-of-period inventories (J)							

¹ Explain the basis of your firm's projections: _____.

² The production capacity reported is based on operating _____ hours per week, _____ weeks per year. Please describe the methodology used to calculate production capacity, explain any changes in reported capacity, and describe the constraint(s) that set the limit(s) on your firm's average production capacity (use additional pages as necessary). _____.

³ Indicate the following shares of your firm's 2022 production: Bifacial modules _____% and Non-bifacial modules: _____%.

⁴ Identify the country of origin of the cells used in your firm's module production: _____.

⁵ Identify your firm's principal other export markets: _____.

RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.--Generally, the data reported for the end-of-period inventories (i.e., line R) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, F, H, J, L, and N). Please ensure that any differences are not due to data entry errors in completing this form, but rather actually reflect your firm's records; and also provide any likely explanations for any differences (e.g., theft, loss, damage, record systems issues, etc.) if they exist.

Item	Actual experience					Projections	
	Calendar year			January-June		Calendar year	
	2020	2021	2022	2022	2023	2023	2024
B + C – D – E – F – G – J = should equal zero ("0") or provide an explanation. ¹	0	0	0	0	0	0	0
¹ Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate:							

- II-12. **Exports to the United States not produced by your firm.**--Report your firm's exports to the United States of CSPV cells and CSPV modules that were produced in the country identified on page one of this response but not by your firm during the specified periods. Note these data should **not** be included in question II-11.

Quantity (in kilowatts)							
Item	Actual experience					Projections	
	Calendar year			January-June		Calendar year	
	2020	2021	2022	2022	2023	2023	2024
Exports of cells to the United States not produced by your firm ¹							
Exports of modules to the United States not produced by your firm ¹							
¹ List the producer(s). _____.							

- II-13. **Other explanations.**--If your firm would like to further explain a response to a question in Part II for which a narrative box was not provided, please note the question number and the explanation in the space provided below. Please also use this space to highlight any issues your firm had in providing the data in this section, including but not limited to technical issues with the MS Word questionnaire.

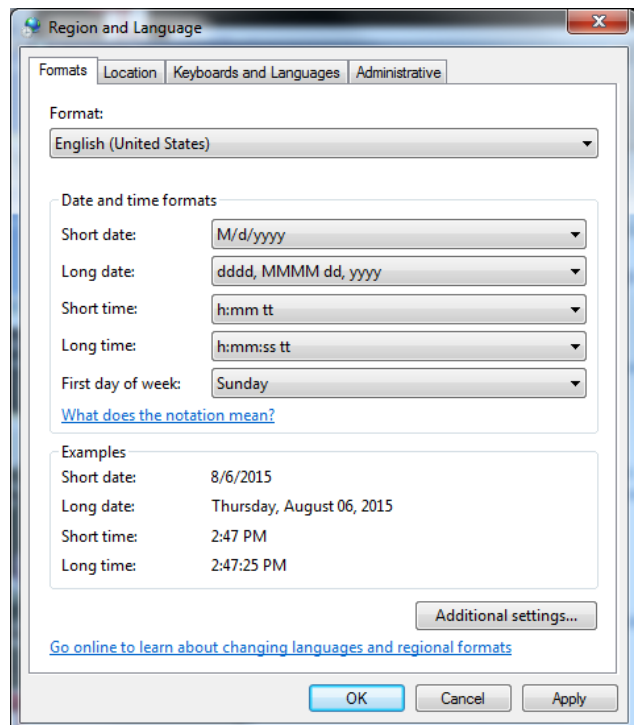
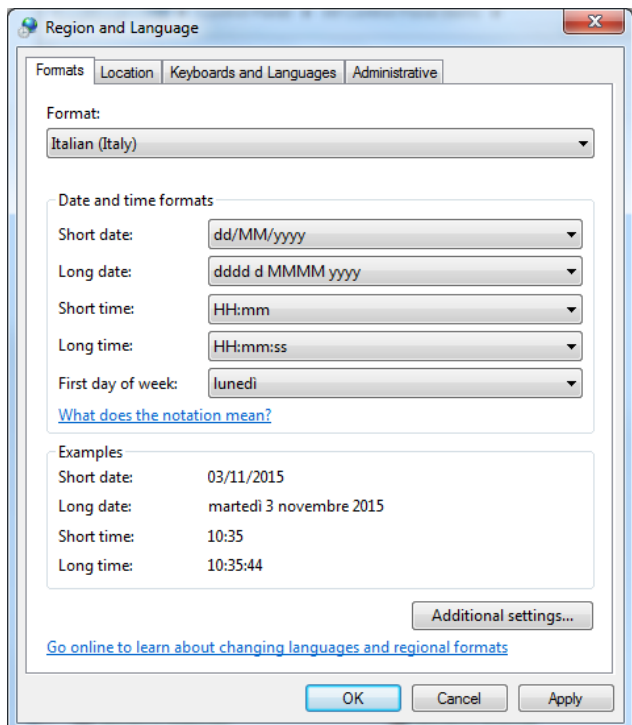
Correcting Valid number error messages.--If you are completing this questionnaire in a country that uses periods (".") to delineate multiples of 1000 (e.g., one million would appear as \$1.000.000 instead of as \$1,000,000), you may be unable to enter in numbers greater than 999 in numeric form fields. This issues stem from your computer number formatting setting (e.g., not the MS Word document itself, but the computer from which you are opening up the document). In the United States commas (,) delineate multiples of 1000 and periods (.) delineate fractions less than one. Many EU countries use the reverse where multiples of 1000 are delineated with periods (.) and fractions less than one are delineated with commas (,). This questionnaire is prepared in the United States with the U.S. number formatting. When this formatting interacts with a computer set to EU number formatting, we believe this may cause this issue.

The solution to this data entry issue is to temporarily change your operating system's number formatting to be consistent with the U.S. number formatting system while you complete the questionnaire.

To temporarily change your computer's number settings to U.S. settings, please do the following (for Microsoft Windows Operating system):

- START
- Control Panel
- Region and Language (under Clock, Language, and Region category)
- Format tab
- Change the Format from your existing one (e.g., "Italian (Italy)") to "English (United States)" (see screen shots below)

When you do this the number "twelve million dollars and thirty five cents" would change from \$12.000.000,35 (Italy format) to \$12,000,000.35 (U.S. format), and then there will be no conflict with the USITC foreign producer questionnaire form. When you finish reporting the data then you can close the questionnaire and switch back to your country settings.



HOW TO FILE YOUR QUESTIONNAIRE RESPONSE

This questionnaire is available as a “fillable” form in MS Word format on the Commission’s website at: <https://ids.usitc.gov/case/4545/investigation/8408>.

Please do not attempt to modify the format or permissions of the questionnaire document. Please submit the completed questionnaire using one of the methods noted below. If your firm is unable to complete the MS Word questionnaire or cannot use one of the electronic methods of submission, please contact the Commission for further instructions.

- **Upload via Secure Drop Box.**—Upload the MS Word questionnaire along with a scanned copy of the signed certification page (page 1) through the Commission’s secure upload facility:

Web address: <https://dropbox.usitc.gov/oinv/> **Pin:** **CSPV**

- **E-mail.**—E-mail your questionnaire to **Andres Andrade** (Andres.Andrade@usitc.gov); include a scanned copy of the signed certification page (page 1). *Submitters are strongly encouraged to encrypt nonpublic documents that are electronically transmitted to the Commission to protect your sensitive information from unauthorized disclosure. The USITC secure drop-box system and the Electronic Document Information System (EDIS) use Federal Information Processing Standards (FIPS) 140-2 cryptographic algorithms to encrypt data in transit. Submitting your nonpublic documents by a means that does not use these encryption algorithms (such as by email) may subject your firm’s nonpublic information to unauthorized disclosure during transmission. If you choose a non-encrypted method of electronic transmission, the Commission warns you that the risk of such possible unauthorized disclosure is assumed by you and not by the Commission.*

If your firm did not produce or export this product, please fill out page 1, print, sign, and submit a scanned copy to the Commission.

Parties to this proceeding.—If your firm is a party to this proceeding, you are required to serve a copy of the completed questionnaire on parties to the proceeding that are subject to administrative protective order (see 19 CFR § 207.7). A list of such parties may be obtained from the Commission’s Secretary (202-205-1802). A certificate of service must accompany the completed questionnaire you submit (see 19 CFR § 207.7).