

U.S. PRODUCERS' QUESTIONNAIRE

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

This questionnaire must be received by the Commission by **September 16, 2021**

See last page for filing instructions.

The information called for in this questionnaire is for use by the United States International Trade Commission in connection with investigation No. TA-201-75 (Extension), Crystalline Silicon Photovoltaic ("CSPV") Cells (Whether or Not Partially or Fully Assembled Into Other Products) ("CSPV Products"), 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. This report is **mandatory** and failure to reply as directed can result in a subpoena or other order to compel the submission of records or information in your possession (19 U.S.C. § 1333(a)).

Name of firm _____

Address _____

City _____ State _____ Zip Code _____

Website _____

Has your firm produced CSPV cells or assembled CSPV cells (partially or fully) into other products (e.g., laminates, panels, modules) as defined on the next four pages at any time since January 1, 2018?

☐ **NO**

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

Return questionnaire via the U.S. International Trade Commission *Drop Box* by clicking on the following link: <https://dropbox.usitc.gov/oinv/> (PIN: **CSPV**)

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 fact finding 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

Phone:

Signature

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, or through February 6, 2022. Following receipt of petitions filed on behalf of Auxin Solar Inc. and Suniva, Inc., on August 2, 2021, and by Hanwha Q CELLS USA, Inc., LG Electronics USA, Inc., and Mission Solar Energy, on August 4, 2021, the Commission, effective August 6, 2021, instituted this investigation under section 204(c) of the Trade Act to determine whether action under section 203 of the Trade Act of 1974 with respect to imports of CSPV products continues to be necessary to prevent or remedy serious injury and whether there is evidence that the domestic CSPV products industry is making a positive adjustment to import competition. Questionnaires and other information pertinent to this proceeding are available at https://usitc.gov/investigations/safeguard/2021/crystalline_silicon_photovoltaic_cells_whether_or/extension.htm.

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.

For Customs purposes, the CSPV cells covered by the investigation are provided for under Harmonized Tariff Schedule of the United States ("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 of subheadings 8501.31.80 and 8501.32.60, when such generators are imported with CSPV cells attached. 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.

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.

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):

- 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):

- 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.

The following additional CSPV products were also excluded from the safeguard measure if entered, or withdrawn from a warehouse for consumption, on or after 12:01 a.m., EST, on June 13, 2019. Such CSPV products are not excluded from the safeguard measure if entered, or withdrawn from a warehouse for consumption, on or after 12:01 a.m., EST, on October 25, 2020. (84 Fed. Reg. 27684, June 13, 2019, and 85 Fed. Reg. 65639, October 16, 2020):

- 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.

In this questionnaire submission please report merchandise that was covered by the Presidential proclamations on the safeguard measure, as well data for bifacial modules over the entire data collection period regardless of whether they were at certain times 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 "**laminated**" is a module that does not have a frame.

CSPV products = CSPV cells + CSPV modules

Bifacial (modules and cells).--Bifacial modules absorb light and generate electricity on each side of the module and consist of only bifacial cells that absorb light and generate electricity on each side of the cells.

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.

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.

Note.--If your answers to questions in Part I differ for CSPV cells or CSPV modules (or some other such breakout, e.g. bifacial CSPV products vs. all other CSPV products), then please explain. Additional explanations may be included in II-25.

- I-1. **OMB statistics.**--Please report below the actual number of hours required and the cost to your firm of completing this questionnaire.

Hours	Dollars

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 attach such comments to your response or send them to the Office of Investigations, USITC, 500 E St. SW, Washington, DC 20436.

- I-2a. **Establishments covered.**--Provide the city, state, zip code, and brief description of each establishment covered by this questionnaire. **Firms operating more than one establishment should combine the data for all establishments into a single report.**

“Establishment” – Each facility of a firm involved in the production of CSPV cells or the assembly (full or partial) of CSPV cells into other products (e.g., laminates, panels, modules), including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities.

Establishments covered ¹	City, State	Zip (5 digit)	Description of activity performed
1			
2			
3			
4			
5			
6			
¹ Additional discussion on establishments consolidated in this questionnaire: _____.			

- I-2b. **Stock symbol information.**-- If your firm or parent firm is publicly traded, please specify the stock exchange and trading symbol: _____.

Note.--If your answers to questions in Part I differ for CSPV cells or CSPV modules (or some other such breakout, e.g. bifacial CSPV products vs. all other CSPV products), then please explain. Additional explanations may be included in II-25.

- I-2c. **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-3. **Position regarding extension of safeguard measure.**--Does your firm support or oppose extension of the safeguard measure(s) applicable to imports of CSPV cells and/or CSPV modules?

Product	Support	Oppose	Take no position	Describe your position
CSPV Cells	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CSPV Modules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- I-4. **Ownership.**--Is your firm owned, in whole or in part, by any other firm?

☐ No ☐ Yes--List the following information.

Firm name	Country	Extent of ownership (percent)

Note.--If your answers to questions in Part I differ for CSPV cells or CSPV modules (or some other such breakout, e.g. bifacial CSPV products vs. all other CSPV products), then please explain. Additional explanations may be included in II-25.

- I-5. **Related importers/exporters.**--Does your firm have any related firms, either domestic or foreign, that are engaged in importing CSPV products into the United States or that are engaged in exporting CSPV products to the United States?

☐ No ☐ Yes--List the following information.

Firm name	Country	Affiliation

- I-6. **Related producers.**--Does your firm have any related firms, either domestic or foreign, that are engaged in the production of CSPV cells or the assembly (full or partial) of CSPV cells into other products?

☐ No ☐ Yes--List the following information.

Firm name	Country	Affiliation	Production/processing activity performed

- I-7. **Business plan.**--Does your company or any related firm have a business plan or any internal documents that describe, discuss, or analyze expected market conditions for CSPV products?

No	Yes	If yes, please provide the requested documents. If you are not providing the requested documents, please explain why not.
<input type="checkbox"/>	<input type="checkbox"/>	

PART II.--TRADE AND RELATED INFORMATION

Further information on this part of the questionnaire can be obtained from **Jordan Harriman (202-205-2610, jordan.harriman@usitc.gov)**. Supply all data requested on a calendar-year basis.

Note.--If your answers to questions in Part II differ for CSPV cells or CSPV modules (or some other such breakout, e.g. bifacial CSPV products vs. all other CSPV products), then please explain. Additional explanations may be included in II-25.

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 cells or the assembly (full or partial) of CSPV cells into other products since January 1, 2018.

<i>(check as many as appropriate)</i>		<i>(If checked, please describe the nature, date(s), and significance 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"/>	Relocations	
<input type="checkbox"/>	Expansions	
<input type="checkbox"/>	Acquisitions/mergers/buyouts	
<input type="checkbox"/>	Consolidations	
<input type="checkbox"/>	Prolonged shutdowns or production curtailments	
<input type="checkbox"/>	Revised labor agreements	
<input type="checkbox"/>	Technology	
<input type="checkbox"/>	Other	

II-2b. **COVID-19 pandemic.**—Since January 1, 2020, 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, employment, and shipments relating to CSPV products?

No	Yes	If yes, describe these changes including a separate discussion of the (a) supply chain impact, (b) production and shipments impact, and (c) employment impact of the COVID-19 pandemic.
<input type="checkbox"/>	<input type="checkbox"/>	

- II-2c. **Anticipated changes in operations.**--Would your firm anticipate any changes in its production, U.S. shipments, or inventories of CSPV products after the safeguard measure terminates?

		If yes, supply details as to the time, nature, and significance of such changes and provide underlying assumptions, along with relevant portions of business plans or other supporting documentation, for any trends or projections you may provide. Please note if your response differs by country.
No	Yes	
<input type="checkbox"/>	<input type="checkbox"/>	

- II-3. **Adjustment plans.**--Did your firm (or a prior owner of some or all of your CSPV production assets) submit adjustment plans to the Commission in connection with the original section 201 safeguard investigation, Inv. No. TA-201-75 (Safeguard), or indicate to USTR since the initiation of the original section 201 safeguard investigation that it would make adjustments in its operations concerning CSPV products that would permit it to compete more effectively with imports of CSPV products after relief expires if it were to receive import relief as a result of that investigation?

			If yes, please supply copies of the specific adjustment plans for your firm (or a prior owner of some or all of your CSPV production assets) as submitted to the Commission during Inv. No. TA-201-75 (Safeguard) or to USTR since the initiation of the original section 201 safeguard investigation. Also, please discuss below the reason(s) why any specific adjustment actions included in the plans have NOT been implemented (and are therefore not identified in your response to question II-2d). Please be specific as to the particular adjustment action that is being discussed.
Not known	No	Yes	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- II-4. **Significance of relief.**--Describe the significance of the safeguard measures imposed by the President effective on February 7, 2018 (i.e., in the form of (a) a tariff-rate quota on imports of solar cells not partially or fully assembled into other products and (b) an increase in duties on imports of CSPV modules), in terms of their effect on the operations of your firm or a prior owner of some or all of your CSPV production assets in the following categories. You may wish to compare your firm's operations before and after the imposition of the relief. Please explain how you have separated the effects of the safeguard measure from the effects of other factors, such as closure or re-opening of domestic production facilities, changes in demand, exchange rate changes, or antidumping and countervailing duties.

Category	<i>Please describe the significance of the safeguard measure.</i>
Production capacity, production, shipments, inventories, and employment	
Return on investment, ability to generate capital to finance the modernization of domestic plant(s) and equipment, or ability to maintain existing levels of expenditures for research and development	
Changes in your firm's collective bargaining agreements (attach copies of all collective bargaining agreements in effect or otherwise agreed to by your firm since February 7, 2018)	

- II-5. **Efforts since implementation of safeguard measures.**--Since February 7, 2018, has your firm undertaken any efforts to compete more effectively in the U.S. market for CSPV products?

		<p>If yes, please describe (1) any efforts made by your firm and/or its workers since February 7, 2018 to compete more effectively, (2) the year in which the effort was made, (3) the expenditure involved (e.g., equipment leases, etc., in thousands of dollars), and (4) the specific competitive advantage acquired (e.g., increased production, cost reduction, quality improvement, increased market share or sales, etc.).</p> <p>If you feel that any of these efforts have been made primarily to compete with imported CSPV products, please indicate and explain. To the extent possible, furnish the Commission with memoranda, studies, or other documentation which indicate that such efforts were undertaken primarily to compete more effectively against imports of CSPV products.</p>
No	Yes	
<input type="checkbox"/>	<input type="checkbox"/>	

- II-6. **CSPV products production.**--Since January 1, 2018, 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, 2022-2024)?

	No actual or planned production	Yes, actual production since January 1, 2018	Yes, planned production in the future (2022-2024) ¹
CSPV cells	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CSPV modules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>¹ Please explain the basis and key assumptions for your firm's projections for CSPV cells and/or modules: ; and submit along with the completed questionnaire any business plans, internal company analysis of the market, or other contemporaneous materials your firm has developed to support these projections.</p>			

If your firm has actual production of CSPV cells since January 1, 2018 to report, please complete questions II-8 through II-12 (CSPV cells in kilowatts). If your firm has actual production of CSPV modules since January 1, 2018 to report, please complete questions II-13 through II-18 (CSPV modules in kilowatts).

- II-7a. **CSPV production by cell type.**-- If your firm reported actual or planned production of CSPV products (including both cells and modules) in question II-6, 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, 2018. Please also indicate, if your firm is planning production in the future, for what cell types your 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, 2018	Planned production in the future (2022- 2024)	Cells in your firm's CSPV products
<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, 2018.		

- II-7b. **CSPV production by form factor.**-- If your firm reported actual or planned production of CSPV products in question II-6, 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, 2018. Please also indicate, if your firm is planning production in the future, for what cell form factors your 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, 2018	Planned production in the future (2022-2024)	Cell form factors in your firm's CSPV products
<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, 2018.		

“Integrated producers of CSPV modules” (those U.S. firms that produce CSPV cells to be used in the production of their CSPV modules) should report data regarding their CSPV cell production in questions II-8 through II-12 (while reporting any cells used in downstream production of laminates, panels, modules, etc. as “internal consumption”) and report data regarding their CSPV module production in questions II-13 through II-18.

“Assemblers of CSPV modules” (those U.S. firms that purchase or import CSPV cells and assemble CSPV modules) should report data regarding their production in questions II-13 through II-18.

“Average production capacity” or “capacity” –The level of production that your establishment(s) could reasonably have expected to attain during the specified periods. Assume normal operating conditions (i.e., using equipment and machinery in place and ready to operate; normal operating levels (hours per week/weeks per year) and time for downtime, maintenance, repair, and cleanup; and a typical or representative product mix).

“Production” or “Assembly” – All production or assembly in your U.S. establishment(s), including production or assembly of items consumed internally within your firm and production or assembly of items for another firm under a toll agreement.

“Commercial U.S. shipments” – Shipments made within the United States as a result of an arm’s length commercial transaction in the ordinary course of business. Report net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods) in U.S. dollars, f.o.b. your point of shipment.

“Internal consumption” – Product consumed internally by your firm, including CSPV cells used to assemble other CSPV products, such as modules, panels, and laminates.

“Transfers to related firms” – Shipments made to related domestic firms. Such transactions are valued at fair market value.

“Related firm” – A firm that your firm solely or jointly owns, manages, or otherwise controls, including for example, parent companies, subsidiaries owned by the same parent company, and other affiliates. Such transactions are valued at fair market value.

“Export shipments” – Shipments to destinations outside the United States, 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.

- II-8. **Production, shipment and inventory data.**--Report your firm's production capacity, production, shipments, and inventories related to the production of **CSPV cells** in the U.S. establishment(s) during the specified periods.

CELLS

Quantity (in kilowatts) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Average production capacity¹ (Quantity) (A)					
Beginning-of-period inventories (quantity) (B)					
Production:					
Bifacial cells (quantity) (C) ²					
All other cells (quantity) (D)					
Total cell production	0	0	0	0	0
U.S. shipments:					
Commercial shipments:					
Quantity (E)					
Value (F)					
Internal consumption:³					
Quantity (G)					
Value (H)					
Transfers to related firms:³					
Quantity (I)					
Value (J)					
Export shipments:^{4,5}					
Quantity (K)					
Value (L)					
End-of-period inventories (Quantity) (M)					

¹ 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). _____.

² See definition on page 5.

³ Internal consumption and transfers to related firms must be valued at fair market value. In the event that your firm uses a different basis for valuing these transactions, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: _____.

⁴ If your firm's cell exports are re-imported into the United States in module form, please provide data in II-9.

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

II-8. **Production, shipment and inventory data: CSPV cells.—Continued****CELLS**

RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.--Generally, the data reported for the end-of-period inventories (i.e., line M) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., lines C and D), less total shipments (i.e., lines E, G, I, and K). 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	Calendar year			January-June	
	2018	2019	2020	2020	2021
B + C + D – E – G – I – K – M – P = should equal zero ("0") or provide an explanation. ¹	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-9. **U.S. shipments of re-imported cells assembled into modules outside the United States.**—If your firm exported its U.S.-produced cells (reported on lines K and L) and then re-imported those U.S.-produced cells as assembled modules, report the quantity and value of your firm's U.S. shipments (i.e., inclusive of commercial U.S. shipments, internal U.S. consumption, and transfers to U.S. related firms) of the imported modules assembled abroad from your firm's U.S.-produced cells.

Quantity (in kilowatts) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
U.S. shipments of CSPV modules assembled outside the U.S. from your firm's U.S.-produced cells:					
Quantity (N)					
Value (O)					

- II-10. **Channels of distribution.**--Report the quantity and value of your firm's U.S. shipments (i.e., inclusive of commercial U.S. shipments, internal U.S. consumption, and transfers to U.S. related firms) of **CSPV cells** by channel of distribution.

CELLS

Quantity (in kilowatts) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Channels of distribution:					
U.S. shipments of CSPV cells:					
To module assemblers Quantity (P)					
Value (Q)					
To distributors Quantity (R)					
Value (S)					
To residential installers Quantity (T)					
Value (U)					
To commercial installers Quantity (V)					
Value (W)					
To utilities/developers Quantity (X)					
Value (Y)					

RECONCILIATION OF CHANNELS.--Please ensure that the quantities and values reported for channels of distribution (i.e., lines P through Y) in each time period equal the quantities and values reported for U.S. shipments (i.e., lines E through J) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
P + R + T + V + X – E – G – I = zero ("0"), if not revise.	0	0	0	0	0
Q + S + U + W + Y – F – H – J = zero ("0"), if not revise.	0	0	0	0	0

- II-11. **U.S. shipments, by type.**--Report your firm's U.S. shipments (i.e., inclusive of commercial U.S. shipments, internal U.S. consumption, and transfers to U.S. related firms) of **CSPV cells** by type.

CELLS

Quantity (in kilowatts), value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
U.S. shipments of <u>cells</u>:					
Bifacial cells					
Quantity (Z)					
Value (AA)					
All other cells					
Quantity (AB)					
Value (AC)					
Any type of cell (i.e., total)					
Quantity	0	0	0	0	0
Value	0	0	0	0	0

RECONCILIATION OF U.S. SHIPMENTS.— U.S. shipments of cells reported in II-11 by type (lines Z through AC) should equal U.S. shipments of modules reported in II-8 (lines E through J).

Reconciliation	Calendar year			January-June	
	2018	2019	2020	2020	2021
Z + AB – E – G – I = should equal zero ("0"), if not revise	0	0	0	0	0
AA + AC – F – H – J = should equal zero ("0"), if not revise	0	0	0	0	0

- II-12. **Employment data.**--Report your firm's employment-related data related to the production of **CSPV cells** and provide an explanation for any trends in these data. If your firm assembles CSPV modules from its own production of CSPV cells, the employment data reported here should exclude employment data relating to your firm's assembly operations (so that PRW, hours worked, and wages paid can be added to those reported in II-15 to arrive at your firm's total employment data).

CELLS

"Production Related Workers" (PRWs) includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations. Average number employed may be computed by adding the number of employees, both full time and part time, for the 12 pay periods ending closest to the 15th of the month and dividing that total by 12. For the January to June periods, calculate similarly and divide by 6.

If your firm had the same number of PRWs in all calendar year and had not experienced any changes in PRWs in the most recent interim period, you would have the same number of PRWs for the interim periods, regardless of whether the interim periods are Jan-Mar (Q1), Jan-June (Q1+Q2), or Jan-Sept (Q1+Q2+Q3).

"Hours worked" includes time paid for sick leave, holidays, and vacation time. Include overtime hours actually worked; do not convert overtime pay to its equivalent in straight time hours.

"Wages paid" – Total wages paid before deductions of any kind (e.g., withholding taxes, old-age and unemployment insurance, group insurance, union dues, bonds, etc.). Include wages paid directly by your firm for overtime, holidays, vacations, and sick leave.

Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Average number of PRWs (number) (AD)					
Hours worked by PRWs (1,000 hours) (AE)					
Wages paid to PRWs (\$1,000) (AF)					

Explanation of trends:

--

- II-13. **Production, shipment and inventory data: CSPV modules.**--Report your firm's production capacity, production, shipments, and inventories related to the production of **CSPV modules** in its U.S. establishment(s) during the specified periods.

MODULES

Quantity (in kilowatts) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Average production capacity¹ (quantity) (AG)					
Beginning-of-period inventories (quantity) (AH)					
Production:					
Using bifacial cells (quantity) (AI)²					
Using all other cells (quantity) (AJ)					
Total production of modules	0	0	0	0	0
U.S. shipments:					
Commercial shipments:					
quantity (AK)					
value (AL)					
Internal consumption:⁴					
quantity (AM)					
value (AN)					
Transfers to related firms:⁴					
quantity (AO)					
value (AP)					
Export shipments:⁵					
quantity (AQ)					
value (AR)					
End-of-period inventories (quantity) (AS)					

¹ 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). _____.

² Please specify the U.S. producers of the purchased U.S.-origin cells your firm used for the production of these modules: _____.

³ Please specify the country of origin of these cells: _____.

⁴ See definitions on pages 15. Internal consumption and transfers to related firms must be valued at fair market value. In the event that your firm uses a different basis for valuing these transactions, please specify that basis (e.g., cost, cost plus, etc.) and provide value data using that basis for each of the periods noted above: _____.

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

II-13. Production, shipment and inventory data: CSPV modules.--Continued**MODULES**

***RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line As) should be equal to the beginning-of-period inventories (i.e., line AH), plus production (i.e., lines AI and AJ), less total shipments (i.e., lines AK, AM, AO, and AQ). 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	Calendar year			January-June	
	2018	2019	2020	2020	2021
AH + AI + AJ - AK - AM - AO - AQ - AS = should equal zero ("0") or provide an explanation. ¹	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-14. **Channels of distribution.**--Report your firm's U.S. shipments (i.e., inclusive of commercial U.S. shipments, internal U.S. consumption, and transfers to U.S. related firms) of **CSPV modules** by channel of distribution.

MODULES

Quantity (in kilowatts) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Channels of distribution:					
U.S. shipments of CSPV modules:					
To module assemblers:					
Quantity (AT)					
Value (AU)					
To distributors:					
Quantity (AV)					
Value (AW)					
To residential installers:					
Quantity (AX)					
Value (AY)					
To commercial installers:					
Quantity (AZ)					
Value (BA)					
To utilities/developers:					
Quantity (BB)					
Value (BC)					

RECONCILIATION OF CHANNELS.--Please ensure that the quantities and values reported for channels of distribution (i.e., lines AT through BC) in each time period equal the quantities and values reported for U.S. shipments (i.e., lines AK through AP) in each time period. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
AT + AV + AX + AZ + BB – AK – AM – AO = zero ("0"), if not revise.	0	0	0	0	0
AU + AW + AY + BA + BC – AL – AN – AP = zero ("0"), if not revise.	0	0	0	0	0

II-15. **U.S. production by source of cells.**--Report your firm's U.S. production of **CSPV modules** by source of cells.

Quantity (in kilowatts) and value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Production of modules by source of cells-- Internally consumed from own U.S.- produced cells (quantity) (BD)					
Domestically purchased U.S.-produced cells ¹ (quantity) (BE)					
Imported cells ² (quantity) (BF)					
Total production of modules	0	0	0	0	0
¹ Please specify the U.S. producers of the purchased U.S.-origin cells your firm used for the production of these modules: _____.					
² Please specify country of origin of these cells: _____.					

RECONCILIATION OF PRODUCTION.—Data reported in question II-15 above should match production (i.e., lines AI and AJ), from question II-13. 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	Calendar year			January-June	
	2018	2019	2020	2020	2021
BD + BE + BF - AI - AJ = should equal zero ("0") or provide an explanation. ¹	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-16. **U.S. shipments, by type.**--Report your firm's U.S. shipments (i.e., inclusive of commercial U.S. shipments, internal U.S. consumption, and transfers to U.S. related firms) of **CSPV modules** by type.

MODULES

Quantity (in kilowatts), value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
U.S. shipments of modules:					
Using bifacial cells					
Quantity (BG)					
Value (BH)					
Using all other cells					
Quantity (BI)					
Value (BJ)					
Using any type of cell (i.e., total)					
Quantity	0	0	0	0	0
Value	0	0	0	0	0

RECONCILIATION OF U.S. SHIPMENTS.— U.S. shipments of modules reported in II-16 by type (i.e., lines BG through BJ) should equal U.S. shipments of modules reported in question II-12 (i.e., lines AK through AP).

Reconciliation	Calendar year			January-June	
	2018	2019	2020	2020	2021
BG + BI – AK – AM – AO = should equal zero ("0"), if not revise	0	0	0	0	0
BH + BJ – AL – AN – AP = should equal zero ("0"), if not revise	0	0	0	0	0

- II-17. **Employment data.**--Report your firm's employment-related data related to the production of **CSPV modules** and provide an explanation for any trends in these data. If your firm produces its own CSPV cells, the employment data reported here should relate solely to your firm's module assembly operations (so that PRW, hours worked, and wages paid can be added to those reported in II-12 to arrive at your firm's total employment data).

MODULES

"Production Related Workers" (PRWs) includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations.

Average number employed may be computed by adding the number of employees, both full time and part time, for the 12 pay periods ending closest to the 15th of the month and dividing that total by 12. For the January to June periods, calculate similarly and divide by 6.

If your firm had the same number of PRWs in all calendar year and had not experienced any changes in PRWs in the most recent interim period, you would have the same number of PRWs for the interim periods, regardless of whether the interim periods are Jan-Mar (Q1), Jan-June (Q1+Q2), or Jan-Sept (Q1+Q2+Q3).

"Hours worked" includes time paid for sick leave, holidays, and vacation time. Include overtime hours actually worked; do not convert overtime pay to its equivalent in straight time hours.

"Wages paid" – Total wages paid before deductions of any kind (e.g., withholding taxes, old-age and unemployment insurance, group insurance, union dues, bonds, etc.). Include wages paid directly by your firm for overtime, holidays, vacations, and sick leave.

Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
Average number of PRWs (number) (BK)					
Hours worked by PRWs (1,000 hours) (BL)					
Wages paid to PRWs (\$1,000) (BM)					

Explanation of trends:

II-18. **Monthly U.S. shipments of CSPV modules.**—Report the monthly quantity and value of your firm's U.S. shipments of CSPV modules by form.

Month	Quantity (<i>in kilowatts</i>), value (<i>in \$1,000</i>)			
	CSPV modules using bifacial cells		CSPV modules using all other cells	
	Quantity	Value	Quantity	Value
2018.--				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
2019.--				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

II-18. Monthly U.S. shipments of CSPV modules.--Continued

Month	Quantity (in kilowatts), value (in \$1,000)			
	CSPV modules using bifacial cells		CSPV modules using all other cells	
	Quantity	Value	Quantity	Value
2020.--				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
2021.--				
January				
February				
March				
April				
May				
June				

Month	Calendar year 2018	Calendar year 2019	Calendar year 2020	Jan.-Jun. 2020	Jan.-Jun. 2021
Aggregate monthly imports (Quantity)	0	0	0	0	0
Aggregate monthly imports (Value)	0	0	0	0	0

RECONCILIATION OF U.S. shipments.--Please ensure that the U.S. shipments of CSPV modules reported for the requested periods in question II-13 matches the monthly data reported here. If the calculated fields below return values other than zero (i.e., "0"), the data reported must be revised prior to submission to the Commission.

Month	Calendar year 2018	Calendar year 2019	Calendar year 2020	Jan.-Jun. 2020	Jan.-Jun. 2021
Aggregate monthly imports (Quantity)	0	0	0	0	0
Aggregate monthly imports (Value)	0	0	0	0	0

II-19. **Projected production.**--Report your firm's projected production of CSPV cells and modules in the United States for the specified time periods.

Quantity (in kilowatts)			
Item	Projections		
	2021	2022	2023
Projected production of CSPV cells:¹			
Bifacial cells (<i>quantity</i>)			
All other cells (<i>quantity</i>)			
All CSPV cells (<i>quantity</i>)	0	0	0
Projected production of CSPV modules:²			
Using bifacial cells (<i>quantity</i>)			
Using all other cells (<i>quantity</i>)			
All CSPV modules (<i>quantity</i>)	0	0	0
¹ Please explain the basis and key assumptions for your firm's projections for CSPV cells: ; and submit along with the completed questionnaire any business plans, internal company analysis of the market, or other contemporaneous materials your firm has developed to support these projections. ² Please explain the basis and key assumptions for your firm's projections for CSPV modules: ; and submit along with the completed questionnaire any business plans, internal company analysis of the market, or other contemporaneous materials your firm has developed to support these projections..			

II-20. **Related firms.**--If your firm reported transfers to related firms in questions II-8 or II-12, please indicate the nature of the relationship between your firm and the related firms (*e.g.*, joint venture, wholly owned subsidiary), whether the transfers were priced at market value or by a non-market formula, whether your firm retained marketing rights to all transfers, and whether the related firms also processed inputs from sources other than your firm.

--

II-21. **Toll production.**--Since 2018, has your firm been involved in a toll agreement regarding the production of CSPV cells or assembly (full or partial) of CSPV cells into other products (*e.g.*, laminates, panels, modules)?

"Toll agreement" – Agreement between two firms whereby the first firm furnishes the raw materials and the second firm uses the raw materials to produce a product that it then returns to the first firm with a charge for processing costs, overhead, etc.

No	Yes	If yes-- Please describe the toll arrangement(s) and name the firm(s) involved.
<input type="checkbox"/>	<input type="checkbox"/>	

II-22. **Foreign trade zones.**--

- (a) **Firm's FTZ operations.**--Does your firm produce CSPV cells or assemble (fully or partially) CSPV cells into other products in and/or admit these items into a foreign trade zone (FTZ)?

"Foreign trade zone" is a designated location in the United States where firms utilize special procedures that allow delayed or reduced customs duty payments on foreign merchandise. A foreign trade zone must be designed as such pursuant to the rules and procedures set forth in the Foreign-Trade Zones Act.

No	Yes	If yes-- Describe the nature of your firms operations in FTZs and identify the specific FTZ site(s).
<input type="checkbox"/>	<input type="checkbox"/>	

- (b) **Other firms' FTZ operations.**--To your knowledge, do any firms in the United States import CSPV products into a foreign trade zone (FTZ) for use in distribution of these items and/or the production of downstream articles?

No	Yes	If yes--Identify the firms and the FTZs.
<input type="checkbox"/>	<input type="checkbox"/>	

II-23. **Importer.**--Since January 1, 2018, has your firm imported CSPV products?

"Importer" – The person or firm primarily liable for the payment of any duties on the merchandise, or an authorized agent acting on his behalf.

No	Yes	If yes-- <u>COMPLETE AND RETURN THE U.S. IMPORTERS' QUESTIONNAIRE</u>
<input type="checkbox"/>	<input type="checkbox"/>	available as a "fillable" form in MS Word format on the Commission's website at: https://usitc.gov/investigations/safeguard/2021/crystalline_silicon_photovoltaic_cells_whether_or/extension.htm .

II-24. **Purchaser.**-- Has your firm purchased CSPV products produced in the United States or in other countries since January 1, 2018?

"Purchase" – A transaction to buy product from a U.S. corporate entity such as another U.S. producer, a U.S. distributor, or a U.S. firm that has directly imported the product.

No	Yes	If yes-- <u>COMPLETE AND RETURN THE U.S. PURCHASERS' QUESTIONNAIRE</u>
<input type="checkbox"/>	<input type="checkbox"/>	available as a "fillable" form in MS Word format on the Commission's website at: https://usitc.gov/investigations/safeguard/2021/crystalline_silicon_photovoltaic_cells_whether_or/extension.htm .

II-25. **Other explanations:**--If your firm would like to further explain a response to a question in Part II that did not provide a narrative box, 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.

--

PART III.--FINANCIAL INFORMATION

Address questions on this part of the questionnaire to **David Boyland (202-708-4725, david.boyland@usitc.gov)**.

- III-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 III.

Name	
Title	
Email	
Telephone	

- III-2. **Accounting system.**--Briefly describe your firm's financial accounting system.

- A. When does your firm's fiscal year end (month and day)? _____
If your firm's fiscal year changed during the data-collection period, explain below:

Note.--Please note that we are requesting that firms report their financial data on a calendar year basis.

- B.1. Describe the lowest level of operations (e.g., plant, division, company-wide) for which financial statements are prepared that include CSPV cells and/or CSPV modules:

2. Does your firm prepare profit/loss statements for CSPV cells and/or CSPV modules:
☐ Yes ☐ No
3. How often did your firm (or parent company) prepare financial statements (including annual reports, 10Ks)? Please check relevant items below.
☐ Audited, ☐ unaudited, ☐ annual reports, ☐ 10Ks, ☐ 10 Qs,
☐ Monthly, ☐ quarterly, ☐ semi-annually, ☐ annually
4. Accounting basis: ☐ GAAP, ☐ IFRS, ☐ cash, ☐ tax, or ☐ other comprehensive basis of accounting (specify) _____

Note: As requested in Part I of this questionnaire, please keep all supporting documents/records used in the preparation of the financial data, as Commission staff may contact your firm regarding questions on the financial data. The Commission may also request that your company submit copies of the supporting documents/records (financial statements, including internal profit-and-loss statements for the division or product group that includes CSPV cells and/or CSPV modules, as well as specific statements and worksheets) used to compile these data.

- III-3. **Cost accounting system.**--Briefly describe your firm's cost accounting system (e.g., standard cost, job order cost, etc.).

--

- III-4. **Allocation basis.**--Briefly describe your firm's allocation basis, if any, for COGS, SG&A, and interest expense and other income and expenses.

--

- III-5. **Product listing.**--Please list the products your firm produced in the facilities in which your firm produced CSPV cells and/or CSPV modules, and provide the share of net sales accounted for by these products in calendar year 2020.

Products	Share of sales in 2020
CSPV cells (do not include internal consumption)	%
CSPV modules	%
	%
	%
	%

- III-6. Does your firm purchase inputs (raw materials, labor, energy, or any services) used in the production of CSPV cells and/or CSPV modules from any related suppliers (e.g., inclusive of transactions between related firms, divisions and/or other components within the same company)?

Yes--Continue to question III-7	No—Skip to question III-9a.
<input type="checkbox"/>	<input type="checkbox"/>

- III-7. **Inputs from related suppliers.**--In the designated sections below and as applicable, please identify the inputs your firm purchases from related suppliers that are reflected in table III-9a (Operations on CSPV cells (commercial sales and transfers)) and/or table III-9c (Operations on CSPV modules). For "Share of total COGS" please report this information by relevant input on the basis of calendar year 2020. For "Input valuation" please describe the basis, as recorded in the company's own accounting system, of the purchase cost from the related supplier; e.g., the related supplier's actual cost, cost plus, negotiated transfer price to approximate fair market value, other.

Input	Related supplier	Share of total COGS in 2020
Operations on CSPV cells (commercial sales and transfers)¹		
		%
		%
		%
		%
Operations on CSPV modules²		
		%
		%
		%
		%
¹ Input valuation(s) as recorded in the firm's accounting books and records (Operations on CSPV cells (commercial sales and transfers)): ² Input valuation(s) as recorded in the firm's accounting books and records (Operations on CSPV modules):		

- III-8. **Inputs from related suppliers at cost.**--Please confirm that the inputs purchased from related suppliers, as identified in III-7 above, were reported in III-9a (Operations on CSPV cells (commercial sales and transfers)) and/or III-9c (Operations on CSPV modules) in a manner consistent with the firm's accounting books and records.

Yes	No	If no--In the space below, please report the valuation basis of inputs purchased from related suppliers as reported in question III-9a.:
<input type="checkbox"/>	<input type="checkbox"/>	

III-9a. **Operations on CSPV cells (commercial sales and transfers).**--Report the sales and related cost information requested below on the CSPV cells operations of your firm's U.S. establishment(s).¹ Do not report resales of products. Note that transfers to related firms must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for the specified calendar years and interim periods. **This table, while specific to CSPV cells sold commercially or transferred, should be completed by integrated producers of CSPV modules.**

Note: The table below should reflect commercial sales and transfers and corresponding costs/expenses associated with CSPV cells manufactured and sold by your firm as CSPV cells. CSPV cells manufactured and/or purchased by your firm which were used internally to produce CSPV modules, if any, should be reported as a component of raw material costs in table III-9c (Operations on CSPV modules).

CELLS (commercial sales and transfers only)

Item	Quantity (in kilowatts) and value (in \$1,000)				
	Calendar year			January-June	
	2018	2019	2020	2020	2021
Net sales quantities: ²					
Commercial sales					
Transfers to related firms					
Total net sales quantities	0	0	0	0	0
Net sales values: ²					
Commercial sales					
Transfers to related firms					
Total net sales values	0	0	0	0	0
Cost of goods sold (COGS): ³					
Polysilicon, ingot costs					
Wafer costs					
All other raw material costs (CSPV cells)					
Total raw material costs	0	0	0	0	0
Direct labor (CSPV cells)					
All other factory costs (CSPV cells)					
Total COGS	0	0	0	0	0
Gross profit or (loss)	0	0	0	0	0

Continued on following page

III-9a. **Operations on CSPV cells (commercial sales and transfers).**--Continued

Item	Quantity (in kilowatts) and value (in \$1,000)				
	Calendar year			January-June	
	2018	2019	2020	2020	2021
Selling, general, and administrative (SG&A) expenses					
Operating income or (loss)	0	0	0	0	0
Other expenses and income:					
Interest expense					
All other expense items					
All other income items					
Net income or (loss) before income taxes	0	0	0	0	0
Depreciation/amortization included above					
¹ Include only CSPV cells commercial sales and/or transfers (whether domestic or export) and corresponding costs related to your U.S. manufacturing operations. ² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding CSPV cells shipment quantities and values reported in Part II of this questionnaire. ³ COGS (whether for domestic or export sales) should include costs associated with CSPV cells commercial sales and transfers.					

Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.

III-9b. **CSPV cells variable costs and total manufacturing fixed costs.**--For the 2020 total direct labor costs, other factory costs, and SG&A expenses reported in III-9a, please estimate the share of variable costs included in each category. Please also separately report the total relevant 2020 fixed manufacturing costs in 1,000 dollars.

Item	2020	
	(percent)	
Share of total direct labor costs that are variable		%
Share of total other factory costs that are variable		%
Share of total SG&A expenses that are variable		%

Item	2020
	Value (in \$1,000)
Total fixed manufacturing costs ¹	
¹ As applicable, 2020 fixed manufacturing costs allocable to operations on CSPV cells (commercial sales and transfer sales); i.e., allocable fixed manufacturing costs included in III-9a 2020 COGS, otherwise expensed, and/or capitalized in inventory. Allocation to report total fixed manufacturing costs associated with commercial sales and transfers of CSPV cells should be consistent with relevant cost allocations in tables III-9a and III-9c.	

- III-9c. **Operations on CSPV modules.**--Report the sales and related cost information requested below on the CSPV modules operations of your firm's U.S. establishment(s). Do not report resales of products. Note that internal consumption, to the extent applicable, and transfers to related firms must be valued at fair market value. Input purchases from related suppliers should be consistent with and based on information in the firm's accounting books and records. Provide data for the specified annual and interim periods. **This table should be completed by integrated producers of CSPV modules and assemblers of CSPV modules.**

MODULES

Item	Quantity (in kilowatts) and value (in \$1,000)				
	Calendar year			January-June	
	2018	2019	2020	2020	2021
Net sales quantities: ²					
Commercial sales					
Internal consumption					
Transfers to related firms					
Total net sales quantities	0	0	0	0	0
Net sales values: ²					
Commercial sales					
Internal consumption					
Transfers to related firms					
Total net sales values	0	0	0	0	0
Cost of goods sold (COGS): ³					
Raw material costs ⁴	0	0	0	0	0
Direct labor (CSPV modules)					
Other factory costs (CSPV modules)					
Total COGS	0	0	0	0	0
Gross profit or (loss)	0	0	0	0	0
Selling, general, and administrative (SG&A) expenses					
Operating income (loss)	0	0	0	0	0
Other expenses and income:					
Interest expense					
All other expense items					
All other income items					
Net income or (loss) before income taxes	0	0	0	0	0
Depreciation/amortization included above					

Footnotes continued on next page.

III-9c. **Operations on CSPV modules**--Continued

¹ Include CSPV modules commercial sales, internal consumption, and/or transfers (whether domestic or export) and corresponding costs related to your U.S. manufacturing operations.

² Less discounts, returns, allowances, and prepaid freight. The quantities and values should approximate the corresponding CSPV modules shipment quantities and values reported in Part II of this questionnaire.

³ COGS (whether for domestic or export sales) should include costs associated with CSPV modules commercial sales, internal consumption, and transfers.

⁴ Table III-9d requests a breakout of the total raw material costs and will populate the total raw material cost line item in this table.

Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.

III-9d. **Components of total raw material costs of CSPV modules to be recognized in III-9c raw material costs**--Provide a breakout of the relevant components of total raw material costs to be reported in question III-9c (Operations on CSPV modules). Provide data for the specified annual and interim periods.

MODULES: Raw Materials

Item	Value (in \$1,000)				
	Calendar year			January-June	
	2018	2019	2020	2020	2021
Internally-produced CSPV cells:					
Polysilicon, ingot costs					
Wafer costs					
All other raw material costs (CSPV cells)					
Direct labor (CSPV cells)					
All other factory costs (CSPV cells)					
Total cost of internally-produced CSPV cells	0	0	0	0	0
Purchased CSPV cells:					
CSPV cells (domestically-produced)					
CSPV cells (foreign-produced)					
Total cost of purchased CSPV cells	0	0	0	0	0
Other raw material costs:					
Backsheet costs					
Encapsulant (e.g., EVA) costs					
Framing costs					
Junction boxes costs					
Solar glass costs					
Other raw material costs					
Total all other raw material costs	0	0	0	0	0
Total raw material costs ¹	0	0	0	0	0

¹ The total raw material costs calculated in this table will populate the raw material cost line item in table III-9c.

Note -- The table above contains calculations that will appear when you have entered data in the MS Word form fields.

- III-9e. CSPV modules variable costs and total manufacturing fixed costs.**--For the 2020 total direct labor costs, other factory costs, and SG&A expenses reported in III-9c, please estimate the share of variable costs included in each category. Please also separately report the total relevant 2020 fixed manufacturing costs in 1,000 dollars.

Item	2020	
	(percent)	
Share of total direct labor costs that are variable		%
Share of total other factory costs that are variable		%
Share of total SG&A expenses that are variable		%

Item	2020
	Value (in \$1,000)
Total fixed manufacturing costs ¹	
¹ All relevant 2020 fixed manufacturing costs; i.e., total fixed manufacturing costs included in III-9c 2020 COGS, otherwise expensed, and/or capitalized in inventory.	

- III-9f. Financial data reconciliation.**--The calculable line items from question III-9a and III-9c (i.e., total net sales quantities and values, raw materials, total COGS, gross profit (or loss), operating income (or loss), and net income (or loss)) have been calculated from the data submitted in the other line items. Do these and other calculated fields return the correct data according to your firm's financial records ignoring non-material differences that may arise due to rounding?

- ☐ Yes ☐ No--If the calculated fields do not show the correct data, please double check the feeder data for data entry errors and revise as necessary. If, after reviewing and potentially revising the feeder data your firm has provided, the differences between your records and the calculated fields persist, please identify and discuss the differences in the space below.

--

- III-10. **Nonrecurring items (charges and gains) included in CSPV cells and CSPV modules financial results.**--For each annual and interim period for which financial results are reported in question III-9a (Operations on CSPV cells (commercial sales and transfers)) and III-9c (Operations on CSPV modules), please specify all material (significant) nonrecurring items (charges and gains) in the schedule below, the specific question III-9a and/or III-9c line item where the nonrecurring items are included, a brief description of the relevant nonrecurring items, and the associated values (*in \$1,000*), as reflected in table III-9a and III-9c; i.e., if an aggregate nonrecurring item has been allocated to question III-9a and/or III-9c, only the allocated value amount included in question III-9a and/or III-9c should be reported in the schedule below.

Note: The Commission's objective here is to gather information only on material (significant) nonrecurring items which impacted the financial results reported in question III-9a and/or III-9c.

Value (\$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
III-9a--Operations on CSPV cells (commercial sales and transfers):					
Nonrecurring item 1					
Nonrecurring item 2					
Nonrecurring item 3					
Nonrecurring item 4					
Nonrecurring item 5					
Nonrecurring item 6					
Nonrecurring item 7					
III-9c--Operations on CSPV modules:					
Nonrecurring item 1					
Nonrecurring item 2					
Nonrecurring item 3					
Nonrecurring item 4					
Nonrecurring item 5					
Nonrecurring item 6					
Nonrecurring item 7					

Continued on following page.

III-10. **Nonrecurring items (charges and gains).**--Continued

Nonrecurring item: In this table please provide a brief description of each nonrecurring item reported above and indicate the specific line item in table III-9a and/or III-9c where the nonrecurring item is classified.

	Description of the nonrecurring item	Income statement classification of the nonrecurring item
III-9a--Operations on CSPV cells (commercial sales and transfers):		
Nonrecurring item 1		
Nonrecurring item 2		
Nonrecurring item 3		
Nonrecurring item 4		
Nonrecurring item 5		
Nonrecurring item 6		
Nonrecurring item 7		
III-9c--Operations on CSPV modules:		
Nonrecurring item 1		
Nonrecurring item 2		
Nonrecurring item 3		
Nonrecurring item 4		
Nonrecurring item 5		
Nonrecurring item 6		
Nonrecurring item 7		

III-11. **Classification of identified nonrecurring items (charges and gains) in the accounting books and records of the company.**--If non-recurring items were reported in table III-10 above, please identify where your company recorded these items in your accounting books and records in the normal course of business.

--

- III-12a. **Asset values.**--Report the total assets (i.e., both current and long-term assets) associated with the production, warehousing, and sale of CSPV cells and CSPV modules. If your firm does not maintain some or all of the specific asset information necessary to calculate total assets for CSPV cells and CSPV modules in the normal course of business, please estimate this information based upon a method (such as production, sales, or costs) that is consistent with relevant cost allocations in tables III-9a and/or III-9c. Provide data as of the end of the specified calendar years.

Note: Total assets should reflect net assets after any accumulated depreciation and allowances deducted. Total assets should be allocated to CSPV products if these assets are also related to other non-CSPV products. Assets used in the production of CSPV cells should be further allocated to CSPV cells for commercial sales and/or transfer and CSPV cells for internal consumption.

Item	Value (in \$1,000)		
	Calendar year		
	2018	2019	2020
CSPV cell assets (net):			
Used for commercial sales and transfers ¹			
Used for internal consumption ¹			
Total CSPV cell assets (net)	0	0	0
Total CSPV modules (net)			
¹ Please allocate the total dollar amount of your firm's CSPV cell assets <u>separately</u> for commercially sold and/or transferred CSPV cells (reported in question III-9a) and internally consumed CSPV cells (reported in III-9d).			

- III-12b. **Description of asset values.**--Please provide explanations if there are any substantial changes in category-specific total asset value during the period; e.g., due to write-offs, major purchases, and revaluations. Also describe the main asset categories (both current and long-term) in the above response.

CSPV cells	
CSPV modules	

III-13a. **Capital expenditures and research and development expenses.**--Report your firm's capital expenditures and research and development expenses ("R&D") for CSPV cells and CSPV modules. Provide data for the specified annual and interim periods.

Value (in \$1,000)					
Item	Calendar year			January-June	
	2018	2019	2020	2020	2021
CSPV cells:					
Capital expenditures					
R&D expenses					
CSPV modules:					
Capital expenditures					
R&D expenses					

III-13b. **Description of reported capital expenditures.**-- Please describe the nature, focus, and significance of your firm's reported capital expenditures. If no capital expenditure data were reported for a category for which financial results were reported in III-9a and/or III-9c, please explain the reason.

CSPV cells	
CSPV modules	

III-13c. **Description of reported R&D expenses.**-- Please describe the nature, focus, and significance of your firm's reported R&D expenses. If no R&D expenses data were reported for a category for which financial results were reported in III-9a and/or III-9c, please explain the reason.

CSPV cells	
CSPV modules	

III-14. **Data consistency and reconciliation.**--Please note that we are requesting your firm's financial data for questions III-9a, III-9c, III-12a, and III-13a on a calendar year basis. Please confirm that your firm reported these data on a calendar-year basis:

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

Note: The quantities and values reported in question III-9a and/or III-9c should reconcile with the data reported in question II-8 and/or II-12 (including export shipments) as long as they are reported on the same calendar year basis.

Continued on following page.

III-14. **Data consistency and reconciliation.**—Continued

RECONCILIATION OF TRADE VS FINANCIAL DATA.—Please ensure that the quantities and values reported for total shipments in part II equal the quantities and values reported for total net sales in part III of this questionnaire in each time period unless the financial data from part III are reported on a fiscal year basis. If the calculated fields below return values other than zero (i.e., "0") and both are being reported on a calendar basis, please explain the discrepancy below.

CSPV cells (commercial sales and transfers only)

Reconciliation	Calendar year			January-June	
	2018	2019	2020	2020	2021
Quantity: Corresponding trade data from part II (table II-8) less financial data from table III-9a, = zero ("0") except as noted above.	0	0	0	0	0
Value: Corresponding trade data from part II (table II-8) less financial data from table III-9a, = zero ("0") except as noted above.	0	0	0	0	0

Do these data in III-9a reconcile with data in II-8?

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

CSPV modules (commercial sales, internal consumption, and transfers)

Reconciliation	Calendar year			January-June	
	2018	2019	2020	2020	2021
Quantity: Trade data from part II (table II-13) less financial data from table III-9c, = zero ("0") except as noted above.	0	0	0	0	0
Value: Trade data from part II (table II-13) less financial data from table III-9c, = zero ("0") except as noted above.	0	0	0	0	0

Do these data in question III-9c reconcile with data in question II-13?

Yes	No	If no, please explain.
<input type="checkbox"/>	<input type="checkbox"/>	

- III-15. **Effects on financial performance of COVID-19.**--Since January 1, 2020, has the COVID-19 pandemic or have any government actions taken to contain the spread of the COVID-19 virus affected the financial performance of your firm's operations on CSPV products as reported in III-9a and/or III-9c?

No	Yes	If yes, please describe these effects.
<input type="checkbox"/>	<input type="checkbox"/>	

- III-16. **Other explanations.**--If your firm would like to further explain a response to a question in Part III that did not provide a narrative box, 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.

--

PART IV.--PRICING AND MARKET FACTORS

Further information on this part of the questionnaire can be obtained from **Craig Thomsen (202-205-3226, Craig.Thomsen@usitc.gov)**.

- IV-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 IV.

Name	
Title	
Email	
Telephone	

PRICE DATA

- IV-2. This question requests quarterly quantity and value data for your firm's commercial shipments to unrelated U.S. customers since January 1, 2018 of the following modules that your firm that your firm manufactured domestically using either U.S.-produced CSPV cells or imported CSPV cells.

Product 1.-- Monocrystalline silicon module with front-side of less than 1.9 square meters and a peak power wattage between 275w to 325w, inclusive, P-max or Wp as measured under Standard Test Conditions ("STC"), excluding bifacial modules.

Product 2.-- Monocrystalline silicon module with front-side area of less than 1.9 square meters and a peak power wattage between 330w to 415w, inclusive, P-max or Wp as measured under Standard Test Conditions ("STC"), excluding bifacial modules.

Product 3.-- Monocrystalline silicon module with front-side area of greater than or equal to 1.9 square meters and a peak power wattage between 325w to 375w, inclusive, P-max or Wp as measured under Standard Test Conditions ("STC"), excluding bifacial modules.

Product 4.-- Monocrystalline silicon module with front-side area of greater than or equal to 1.9 square meters and a peak power wattage between 380w to 430w, inclusive, P-max or Wp as measured under Standard Test Conditions ("STC"), excluding bifacial modules.

Product 5.-- Monocrystalline silicon module with front-side area of greater than or equal to 1.9 square meters and a peak power wattage between 440w to 640w, inclusive, P-max or Wp as measured under Standard Test Conditions ("STC"), excluding bifacial modules.

Product 6.-- Monocrystalline silicon bifacial module that generates power on both sides of the panel with front-side area of greater than or equal to 1.9 square meters and a peak power wattage greater than or equal to 325w, inclusive, P-max or Wp as measured under Standard Test Conditions ("STC").

Please note that values should be f.o.b., U.S. point of shipment and should not include U.S.-inland transportation costs. Values should reflect the *final net* amount paid to your firm (i.e., should be net of all deductions for discounts or rebates).

During January 2018-June 2021, did your firm produce and sell to unrelated U.S. customers any of the above listed products (or any products that were competitive with these products)?

<input type="checkbox"/>	Yes. --Please complete the following pricing data table(s) as appropriate.
<input type="checkbox"/>	No. --Skip to question IV-4.

IV-2a. **Price data.**—Report below the quarterly price data¹ for pricing products² produced (i.e., assembled) in the United States and sold by your firm using U.S.-produced CSPV cells.

Modules manufactured from cells produced in the United States

Report data in *kilowatts* and actual *dollars* (not 1,000s).

(Quantity in kilowatts, value in dollars)						
Period of shipment	Product 1		Product 2		Product 3	
	Quantity	Value	Quantity	Value	Quantity	Value
2018:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2019:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2020:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2021:						
Jan-Mar						
Apr-Jun						

¹ Net values (i.e., gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment. Please subtract any discounts, rebates, and returns from the quarter in which the sale occurred.

² Pricing product definitions are provided on the first page of Part IV.

Note.—If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of the product. Also, please explain any anomalies in your firm's reported pricing data.

Product 1:

Product 2:

Product 3:

IV-2a. Price data.—Continued.**Modules manufactured from cells produced in the United States**Report data in *kilowatts* and actual *dollars* (not 1,000s).

(Quantity in kilowatts, value in dollars)						
Period of shipment	Product 4		Product 5		Product 6	
	Quantity	Value	Quantity	Value	Quantity	Value
2018:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2019:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2020:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2021:						
Jan-Mar						
Apr-Jun						

¹ Net values (*i.e.*, gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment. Please subtract any discounts, rebates, and returns from the quarter in which the sale occurred.

² Pricing product definitions are provided on the first page of Part IV.

Note.—If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of the product. Also, please explain any anomalies in your firm's reported pricing data.

Product 4:

Product 5:

Product 6:

IV-2b. **Price data.**—Report below the quarterly price data¹ for pricing products² (i.e., assembled) in the United States and sold by your firm using imported CSPV cells.

Modules manufactured in the United States from imported cells

Report data in *kilowatts* and actual *dollars* (not 1,000s).

(Quantity in kilowatts, value in dollars)						
Period of shipment	Product 1		Product 2		Product 3	
	Quantity	Value	Quantity	Value	Quantity	Value
2018:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2019:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2020:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2021:						
Jan-Mar						
Apr-Jun						

¹ Net values (*i.e.*, gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment. Please subtract any discounts, rebates, and returns from the quarter in which the sale occurred.

² Pricing product definitions are provided on the first page of Part IV.

Note.—If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of the product. Also, please explain any anomalies in your firm's reported pricing data.

Product 1:

Product 2:

Product 3:

IV-2b. Price data.—Continued.**Modules manufactured in the United States from imported cells**Report data in *kilowatts* and actual *dollars* (not 1,000s).

Period of shipment	(Quantity in kilowatts, value in dollars)					
	Product 4		Product 5		Product 6	
	Quantity	Value	Quantity	Value	Quantity	Value
2018:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2019:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2020:						
Jan-Mar						
Apr-Jun						
Jul-Sep						
Oct-Dec						
2021:						
Jan-Mar						
Apr-Jun						

¹ Net values (*i.e.*, gross sales values less all discounts, allowances, rebates, prepaid freight, and the value of returned goods), f.o.b. your firm's U.S. point of shipment. Please subtract any discounts, rebates, and returns from the quarter in which the sale occurred.

² Pricing product definitions are provided on the first page of Part IV.

Note.—If your firm's product does not exactly meet the product specifications but is competitive with the specified product, provide a description of the product. Also, please explain any anomalies in your firm's reported pricing data.

Product 4:

Product 5:

Product 6:

IV-2c. **Price data checklist.**--Please check that the pricing data in question IV-2(b) has been correctly reported.

Are the price data reported above:	✓ if Yes
In actual dollars (not \$1,000) and kilowatts?	<input type="checkbox"/>
F.o.b. U.S. point of shipment (i.e., does not include U.S. transport costs)?	<input type="checkbox"/>
Net of all discounts and rebates?	<input type="checkbox"/>
Have discounts, rebates, and returns been credited to the quarter in which the sale occurred?	<input type="checkbox"/>
Quantities do not exceed commercial shipments in question II-12 in each year?	<input type="checkbox"/>
Explanation(s) for any boxes not checked:	

IV-3. **Pricing data methodology.**--Please describe the method and the kinds of documents/records that were used to compile your price data that you reported above in response to questions IV-2a, and IV-2b.

--

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

Note.--If your answers to questions in Part IV differ for CSPV cells or CSPV modules (or some other such breakout, e.g. bifacial CSPV products vs. all other CSPV products), then please explain.

IV-4. **Availability of supply.**—

(a) Has the availability of CSPV cells in the U.S. market changed since February 7, 2018?

Availability of cells in the U.S. market	No	Yes	Please explain, noting the countries and reasons for the changes. <i>Please also note any changes resulting from COVID-19 pandemic.</i>
Changes since February 7, 2018:			
U.S.-produced product	<input type="checkbox"/>	<input type="checkbox"/>	
Imports from other countries	<input type="checkbox"/>	<input type="checkbox"/>	

(b) Has the availability of CSPV modules in the U.S. market changed since February 7, 2018?

Availability of modules in the U.S. market	No	Yes	Please explain, noting the countries and reasons for the changes. <i>Please also note any changes resulting from COVID-19 pandemic.</i>
Changes since February 7, 2018:			
U.S.-produced product	<input type="checkbox"/>	<input type="checkbox"/>	
Imports from other countries	<input type="checkbox"/>	<input type="checkbox"/>	

- IV-5. **Supply constraints.**--Has your firm refused, declined, or been unable to supply CSPV products since February 7, 2018 (examples include placing customers on allocation or "controlled order entry," declining to accept new customers or renew existing customers, delivering less than the quantity promised, being unable to meet timely shipment commitments, etc.)? *Please also note any changes resulting from COVID-19 pandemic.*

No	Yes	If yes, please describe.
<input type="checkbox"/>	<input type="checkbox"/>	

- IV-6. **Demand trends.**-- Indicate how demand within the United States and outside of the United States (if known) for CSPV products has changed since February 7, 2018, and how you anticipate demand will change in the future. Explain any trends and describe the principal factors that have affected, and that you anticipate will affect, these changes in demand. *Please also note any changes resulting from COVID-19 pandemic.*

Market	Sector	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors
Demand since February 7, 2018						
Within the United States	Residential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Commercial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Utility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Overall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outside the United States	Overall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anticipated future demand						
Within the United States	Residential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Commercial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Utility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Overall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outside the United States	Overall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- IV-7. **Product changes.**--Have there been any significant changes in the product range, product mix, technology, or marketing of CSPV products since February 7, 2018?

No	Yes	If yes, please describe.
<input type="checkbox"/>	<input type="checkbox"/>	

- IV-8. **Conditions of competition.**--Have there been any changes in the business cycles or conditions of competition for CSPV products, including bifacial modules, since February 7, 2018? *Please also note any changes resulting from COVID-19 pandemic.*

No	Yes	If yes, describe.
<input type="checkbox"/>	<input type="checkbox"/>	

- IV-9. **Government incentives.**—Have changes in the level or availability of government incentives affected demand for CSPV products since February 7, 2018? In the last column, list or describe the principal incentive programs (e.g., Solar Investment Tax Credit, Section 1603 Program, Renewable Portfolio Standards, or California Solar Initiative) whose change in level or availability has affected demand.

Market	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Incentives and explanation of demand trends
State and local government incentives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Federal government incentives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- IV-10. **Conventional energy sources.**—How have changes in the price of electricity generated from U.S. conventional energy sources affected the price of solar generated electricity since February 7, 2018? Explain any trends and describe the principal factors that have affected these changes in price.

Overall price increase	No Change in price	Overall price decrease	Fluctuate with no clear trend	Explanation and factors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- IV-11. **Substitute competition with other solar products.**--Please describe the extent that other solar products (such as thin film products and CSPV products excluded from the safeguard measure) compete with CSPV products, including whether these products are used in the same end uses and market segments.

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- IV-12. **Efforts since implementation of safeguard measures.**—Has your firm made any efforts to increase product availability to your customers, either in terms of the quantity of products available or by increasing your product offerings (e.g., new size ranges, qualities, features, products, etc.) since February 7, 2018?

No	Yes	If yes, describe.
<input type="checkbox"/>	<input type="checkbox"/>	

- IV-13. **Other explanations.**--If your firm would like to further explain a response to a question in Part IV that did not provide a narrative response box, 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.

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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://usitc.gov/investigations/safeguard/2021/crystalline_silicon_photovoltaic_cells_whether_or/extension.htm.

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 the MS Word questionnaire to **Jordan Harriman** (jordan.harriman@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 their 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 does not produce CSPV products, 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, it is required to serve a copy of the completed questionnaire on parties to the proceeding that are subject to administrative protective order (see 19 C.F.R. § 206.17). A list of such parties may be obtained from the Commission’s Secretary (202-205-1803). A certificate of service must accompany the completed questionnaire you submit (see 19 C.F.R. § 206.17). Service of the questionnaire must be made in paper form.