

## FOREIGN PRODUCERS'/EXPORTERS' QUESTIONNAIRE

### CRYSTALLINE SILICON PHOTOVOLTAIC CELLS AND MODULES FROM CHINA

This questionnaire must be received by the Commission by **September 19, 2018**  
*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 its review of the antidumping and countervailing duty orders concerning Crystalline Silicon Photovoltaic ("CSPV") Cells and Modules from China (Inv. Nos. 701-TA-481 and 731-TA-1190 (Review)). The information requested in the questionnaire is requested under the authority of the Tariff Act of 1930, title VII.

Name of firm \_\_\_\_\_

Address \_\_\_\_\_

Website \_\_\_\_\_

Has your firm produced or exported CSPV cells (as defined on pages 2-3) from China **OR** produced or exported CSPV modules (*from anywhere in the world*) that contain Chinese-origin CSPV cells (as defined on pages 2-3) at any time since January 1, 2012?

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

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

Return questionnaire via the Commission *Drop Box* by clicking on the following link:

<https://dropbox.usitc.gov/oinv/>. (PIN: **CSPV1**)

#### 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 or reviews 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 proceeding 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.*

\_\_\_\_\_  
Name of Authorized Official

\_\_\_\_\_  
Title of Authorized Official

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Phone:

\_\_\_\_\_  
Email address

\_\_\_\_\_  
Fax:

**PART I.--GENERAL INFORMATION**

**Background.**-- On December 7, 2012, the Department of Commerce ("Commerce") issued antidumping and countervailing duty orders on imports of crystalline silicon photovoltaic ("CSPV") cells and modules from China (77 FR 73017--73021). On November 1, 2017, the Commission instituted reviews pursuant to section 751(c) of the Tariff Act of 1930 (19 U.S.C. § 1675(c)) (the Act) to determine whether revocation of the orders would be likely to lead to continuation or recurrence of material injury to the domestic industry within a reasonably foreseeable time. If both the Commission and Commerce make affirmative determinations, the orders will remain in place. If either the Commission or Commerce makes negative determinations, Commerce will revoke the orders. Questionnaires and other information pertinent to this proceeding are available at

[https://www.usitc.gov/investigations/701731/2017/crystalline\\_silicon\\_photovoltaic\\_cells\\_and\\_modules/first\\_review\\_full.htm](https://www.usitc.gov/investigations/701731/2017/crystalline_silicon_photovoltaic_cells_and_modules/first_review_full.htm)

**CSPV Cells and Modules** covered by these reviews are defined by Commerce as follows:

*The merchandise covered by the order are crystalline silicon photovoltaic cells, and modules, laminates, and panels, consisting of 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 order covers crystalline silicon photovoltaic cells of thickness equal to or greater than 20 micrometers, having a p/n junction 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.*

*Merchandise under consideration may be described at the time of importation as parts for final finished products that are assembled after importation, including, but not limited to, modules, laminates, panels, building-integrated modules, building-integrated panels, or other finished goods kits. Such parts that otherwise meet the definition of merchandise under consideration are included in the scope of the orders.*

*Excluded from the scope of the order 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 order are crystalline silicon photovoltaic cells, not exceeding 10,000 mm<sup>2</sup> 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 crystalline silicon photovoltaic cell. Where more than one 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 cells that are integrated into the consumer good.*

*Additionally, excluded from the scope of this order are panels with surface area from 3,450 mm<sup>2</sup> to 33,782 mm<sup>2</sup> 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 extrusion), and not exceeding 2.9 volts, 1.1 amps, and 3.19 watts. For the purposes of this exclusion, no panel shall contain an internal battery or external computer peripheral ports.*

*Modules, laminates, and panels produced in a third-country from cells produced in China are covered by the orders; however, modules, laminates, and panels produced in China from cells produced in a third-country are not covered by the order.*

*Merchandise covered by this order is currently classified in the Harmonized Tariff System of the United States (HTSUS) under subheadings 8501.61.0000, 8507.20.80, 8541.40.6020, 8541.40.6030, and 8501.31.8000. These HTSUS subheadings are provided for convenience and customs purposes; the written description of the scope of the order is dispositive.*

**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.

**Building Integrated Materials.**--Materials integrated into the building envelope, such as the façade or roof, containing CSPV cells. These building integrated materials replace conventional construction materials, such as glass or roof shingles, taking over the function that conventional materials would otherwise perform while also producing electricity.

**Reporting of information.**--If information is not readily available from your records, provide carefully prepared estimates. If your firm is completing more than one questionnaire (i.e., a producer, importer, purchaser and/or foreign producer questionnaire), you need not respond to duplicated questions.

**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 U.S.C. § 1677f). 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 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 business proprietary 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 Tariff Act of 1930 (19 U.S.C. § 1677f) and section 207.7 of the Commission’s Rules of Practice and Procedure (19 CFR § 207.7). This means that certain lawyers and other authorized individuals may temporarily be given access to the information for use in connection with this proceeding or other import-injury proceedings conducted by the Commission on the same or similar merchandise; those individuals would be subject to severe penalties if the information were divulged to unauthorized individuals.

**Valid number error messages.**--If you are completing this form in a country that uses periods (".") to delineate multiples of 1000 (e.g., one million would appear as \$1.000.000 rather than \$1,000,000), you may be unable to enter in numbers greater than 999 in numeric form fields. The solution to this data entry issue is to temporarily change your operating system's number formatting to be consistent with the U.S. number formatting system while you complete this form. Detailed instructions on how to resolve this issue is provided at the end of this questionnaire and is available upon request from Mary Messer (202-205-3193, [mary.messer@usitc.gov](mailto:mary.messer@usitc.gov)).

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

The questions in this questionnaire have been reviewed with market participants to ensure that issues of concern are adequately addressed and that data requests are sufficient, meaningful, and as limited as possible. Public reporting burden for this questionnaire is estimated to average 30 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 to the Office of Investigations, USITC, 500 E St. SW, Washington, DC 20436.

I-2. **Establishments covered.**--Provide the name and address of establishment(s) covered by this questionnaire. If your firm is publicly traded, please specify the stock exchange and trading symbol.

***“Establishment”***-- Each facility of a firm in China involved in the production or export of CSPV cells and modules, including auxiliary facilities operated in conjunction with (whether or not physically separate from) such facilities. Firms operating more than one establishment in China should combine the data for all establishments into a single report. ***Also included are firms that assemble modules, laminates, and panels in a third-country from cells that were produced in China. These firms that assemble modules in third-countries from Chinese-origin cells should submit separate questionnaire responses for each country in which such module assembly occurs.***

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I-3. **U.S. importers.**--Please provide the names, contacts, email addresses, and telephone numbers of the **FIVE** largest U.S. importers of your firm's CSPV cells and modules in 2017.

No.	Importer's name	Contact person	Email address	Area code and telephone number	Share of your firm's 2017 U.S. exports (%)
<b>1</b>					
<b>2</b>					
<b>3</b>					
<b>4</b>					
<b>5</b>					

I-4. **U.S. or other country production.**--Does your firm or any related firm produce, have the capability to produce, or have any plans to produce CSPV cells and modules in the United States or other countries?

No                       Yes--Please name the firm(s) and country(ies) below and, if U.S. producer(s), ensure that they complete the Commission's producer questionnaire.

I-5. **U.S. importation.**--Does your firm or any related firm import or have any plans to import CSPV cells and modules into the United States?

- No             Yes--Please name the firm(s) below and ensure that they complete the Commission's importer questionnaire.

I-6. **Business plan.**--In Parts II and III of this questionnaire we request a copy of your company's business plan. Does your company or any related firm have a business plan or any internal documents that describe, discuss, or analyze expected future market conditions for CSPV cells and modules?

- No             Yes--Please provide the requested documents. If you are not providing the requested documents, please explain why not.

**PART II.--TRADE AND RELATED INFORMATION**

Further information on this part of the questionnaire can be obtained from Mary Messer (202-205-3193, [mary.messer@usitc.gov](mailto:mary.messer@usitc.gov)). **Supply all data requested on a calendar-year basis.**

Note.--The data reported in this questionnaire should relate to CSPV cells and modules made from Chinese-origin cells regardless of the country of module assembly. These data should exclude modules assembled with non Chinese-origin cells, including those assembled in China.

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	
Fax	

II-2. **Changes in operations.**--Please indicate whether your firm has experienced any of the following changes in relation to the production of CSPV cells and modules since January 1, 2012.

<i>Check as many as appropriate.</i>		<i>If checked, please describe; leave 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	
<input type="checkbox"/>	Bankruptcy	
<input type="checkbox"/>	Consolidations	
<input type="checkbox"/>	Prolonged shutdowns or production curtailments	
<input type="checkbox"/>	Revised labor agreements	
<input type="checkbox"/>	Other (e.g., technology)	

II -2b. **Anticipated changes in operations.**--Does your firm anticipate any changes in in the character of its operations or organization relating to the production of CSPV cells or the assembly (full or partial) of CSPV cells into other products in the future?

<b>No</b>	<b>Yes</b>	<p><b>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 documentations that address this issue. Include in your response a specific projection of your firm's capacity to produce CSPV cells and modules (in kilowatts) for 2018 and 2019.</b></p>
<input type="checkbox"/>	<input type="checkbox"/>	

II-3a. **Product shifting (CSPV cells).**

(i). Is your firm able to switch production (capacity) between CSPV cells and other products using the same equipment and/or labor?

No

Yes-- (i.e., have produced other products or are able to produce other products). Please identify other actual or potential products.

(ii). Please describe the factors that affect your firm's ability to shift production capacity between products (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.



II-3b. **Product shifting (CSPV modules).**

(i). Is your firm able to switch production (capacity) between CSPV modules and other products using the same equipment and/or labor?

No

Yes-- (i.e., have produced other products or are able to produce other products). Please identify other actual or potential products.

(ii). Please describe the factors that affect your firm's ability to shift production capacity between products (e.g., time, cost, relative price change, etc.), and the degree to which these factors enhance or constrain such shifts.

II-4. **Share of sales.**--What percentage of your firm's total sales in its most recent fiscal year was represented by sales of CSPV cells and modules? \_\_\_\_\_ percent.

II-5. **Firm's estimated share of production in country.**—

Please estimate the percentage of total production of CSPV cells in China accounted for by your firm's production in 2017. \_\_\_\_\_ percent.

Please estimate the percentage of total production of CSPV modules that contain Chinese-origin cells accounted for by your firm's production in the country in which your module assembly establishment is located in 2017. \_\_\_\_\_ percent.

II-6. **Firm's estimated share of country's exports.**—

Please estimate the percentage of total exports to the United States of CSPV cells from China accounted for by your firm's exports in 2017. \_\_\_\_\_ percent.

Please estimate the percentage of total exports to the United States of CSPV modules that contain Chinese-origin cells accounted for by your firm's exports of such modules in 2017. \_\_\_\_\_ percent.

II-7. **Third country trade actions.**--Are the CSPV cells and modules (as defined on pages 2-3 to include Chinese-origin cells, as well as modules containing Chinese-origin cells) produced or exported by your firm subject to antidumping/countervailing duty/safeguard findings, remedies, or proceedings?

No             Yes--List the products(s), countries affected, and the date of such findings/remedies/proceedings.

II-8. **Other export markets.**--Identify export markets (other than the United States) that your firm has developed or where it has increased its sales of CSPV cells and modules since 2012. Please identify and discuss below.

II-9. **Significance of antidumping and countervailing duty orders.**--Describe the significance of the existing antidumping and countervailing duty orders covering imports of CSPV cells and modules from China in terms of its effect on your firm's production capacity, production, home market shipments, exports to the United States and other markets, and inventories. You may wish to compare your firm's operations before and after the imposition of the order.

II-10. **Likely impact of revocation.**--Would your firm anticipate any changes in in the character of its operations or organization, including its production capacity, production, U.S. shipments, inventories, purchases, employment, revenues, costs, profits, cash flow, capital expenditures, research and development expenditures, or asset values relating to the production of CSPV cells and modules in the future if the antidumping and countervailing duty orders on CSPV cells and modules from China were to be revoked?

<b>No</b>	<b>Yes</b>	<p><b>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 documentations that address this issue. Include in your response a specific projection of your firm's capacity to produce CSPV cells and modules (in kilowatts) for 2018 and 2019.</b></p>
<input type="checkbox"/>	<input type="checkbox"/>	

II-11. **CSPV Cells.**--Since January 1, 2012, has your firm produced CSPV cells?

No—Skip to question II-13.

Yes—Please complete question II-12 (CSPV cells in kilowatts).

**“Average production capacity” or “capacity”** –The level of production that your establishment(s) could reasonably have expected to attain during the specified periods for all products manufactured in that establishment using the same manufacturing equipment. 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”** --All production in your establishment(s) in China, including production consumed internally within your firm.

**“Shipments”**--Shipments of products produced in your establishment(s) in China. Quantities reported should be net of returns. 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 in China.

**“Home market commercial shipments”**--Shipments, other than internal consumption and transfers to related firms, within China.

**“Home market internal consumption/transfers to related firms”**--Shipments made to related firms in China, including product consumed internally by your firm.

**“Export shipments”**--Shipments to destinations outside China, 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-12. **Trade data--CSPV Cells.**--Report your firm's production capacity, production, shipments, and inventories related to the production of CSPV cells in your establishment(s) in China during the specified periods. Do not include resales of CSPV cells that your firm did not produce in this question; those data to the degree they are exported to the United States should only be reported in question II-13.

## CELLS

Quantity (in kilowatts) and Value (in 1,000 dollars)								
Item	Calendar year						January-June	
	2012	2013	2014	2015	2016	2017	2017	2018
<b>Average production capacity</b> <sup>1</sup> (A)								
<b>Beginning-of-period inventories</b> (B)								
<b>Production</b> (C)								
<b>Home market shipments:</b>								
Internal consumption/ transfers quantity (D)								
value (E)								
Commercial shipments quantity (F)								
value (G)								
<b>Export shipments:</b>								
to the United States: quantity (H)								
value (I)								
to other NAFTA countries: <sup>2</sup> quantity (J)								
value (K)								
to the European Union: <sup>3</sup> quantity (L)								
value (M)								
to Asia: <sup>4</sup> quantity (N)								
value (O)								
to all other markets: <sup>5</sup> quantity (P)								
value (Q)								
<b>Total exports (quantity)</b> (R)	0	0	0	0	0	0	0	0
<b>Total shipments (quantity)</b> (S)	0	0	0	0	0	0	0	0
<b>End-of-period inventories</b> (T)								

<sup>1</sup> The production capacity reported is based on operating \_\_\_\_\_ hours per week, \_\_\_\_\_ weeks per year. Please describe the methodology used to calculate production capacity, and explain any changes in reported capacity: \_\_\_\_\_.

<sup>2</sup> Please report the calendar-year 2017 share of the quantity of these exports that were made to Canada (\_\_\_\_\_ percent) and the share of the quantity of these exports that were made to Mexico (\_\_\_\_\_ percent).

<sup>3</sup> Identify your firm's principal *European Union* export markets: \_\_\_\_\_.

<sup>4</sup> Identify your firm's principal *Asian* export markets: \_\_\_\_\_.

<sup>5</sup> Identify your firm's principal *Other* export markets: \_\_\_\_\_.

II-12. **Trade data--CSPV Cells.**—*Continued.*

**RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.**--Generally, the data reported for the end-of-period inventories (i.e., line T) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, F, H, J, L, N, and P). 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	
	2012	2013	2014	2015	2016	2017	2017	2018
B + C – D – F – H – J – L – N – P – T = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0	0	0	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.								

II-13. **Exports to the United States not produced by your firm.**--Report your firm's exports to the United States of CSPV cells that were produced in China but not by your firm during the specified periods (i.e., you firm is just the exporter, not the producer). Note these data should **not** be included in question II-12.

## CELLS

Quantity (in kilowatts) and Value (in 1,000 dollars)								
Item	Calendar year						January-June	
	2012	2013	2014	2015	2016	2017	2017	2018
Exports of CSPV cells to the United States not produced by your firm <sup>1</sup> .— <i>Quantity</i> <sup>1</sup>								
<i>Value</i>								
<sup>1</sup> List the producer(s). _____								

II-14. **CSPV Modules.**--Since January 1, 2012, has your firm produced CSPV modules (anywhere in the world) using Chinese-origin CSPV cells?

- No—Skip to question II-16.
- Yes—Please complete question II-15 (CSPV modules in kilowatts).

II-15. **Trade data--CSPV Modules.**--Report your firm's production capacity, production, shipments, and inventories related to the production of CSPV modules in your establishment(s). Do not include resales of CSPV modules that your firm did not produce; those data to the degree they are exported to the United States should only be reported in question II-16.

**Note.**--These data should relate to modules made from Chinese-origin cells regardless of the country of module assembly or country of exportation. These data should exclude modules assembled with non Chinese-origin cells, including those assembled in China. Firms that assemble modules in third-countries from Chinese-origin cells should submit separate questionnaire responses for each country in which such module assembly occurs.

## MODULES

**(list country of assembly: \_\_\_\_\_)**

Quantity (in kilowatts) and Value (in 1,000 dollars)								
Item	Calendar year						January-June	
	2012	2013	2014	2015	2016	2017	2017	2018
Average production capacity <sup>1</sup> (A)								
Beginning-of-period inventories (B)								
Production (C)								
Home market shipments:								
Internal consumption/ transfers quantity (D)								
value (E)								
Commercial shipments quantity (F)								
value (G)								
Export shipments:								
to the United States:								
quantity (H)								
value (I)								
to other NAFTA countries: <sup>2</sup>								
quantity (J)								
value (K)								
to the European Union: <sup>3</sup>								
quantity (L)								
value (M)								
to Asia: <sup>4</sup>								
quantity (N)								
value (O)								
to all other markets: <sup>5</sup>								
quantity (P)								
value (Q)								
<b>Total exports (quantity) (R)</b>	0	0	0	0	0	0	0	0
<b>Total shipments (quantity) (S)</b>	0	0	0	0	0	0	0	0
End-of-period inventories (T)								

II-15. **Trade data--CSPV Modules.**—Continued.

<sup>1</sup> The production capacity reported is based on operating \_\_\_\_\_ hours per week, \_\_\_\_\_ weeks per year. Please describe the methodology used to calculate production capacity, and explain any changes in reported capacity: \_\_\_\_\_. **The capacity data reported in the table above for each time period requested must be for only the module assembly capacity allocated for subject CSPV modules that contain Chinese-origin cells.** Please also report in the following blank your firm's total overall plant capacity in 2017 to assemble modules in this country regardless of whether they are from Chinese-origin cells. \_\_\_\_\_ kilowatts

<sup>2</sup> Please report the calendar-year 2017 share of the quantity of these exports that were made to Canada (\_\_\_\_\_ percent) and the share of the quantity of these exports that were made to Mexico (\_\_\_\_\_ percent).

<sup>3</sup> Identify your firm's principal *European Union* export markets: \_\_\_\_\_.

<sup>4</sup> Identify your firm's principal *Asian* export markets: \_\_\_\_\_.

<sup>5</sup> Identify your firm's principal *Other* export markets: \_\_\_\_\_.

***RECONCILIATION OF SHIPMENTS, PRODUCTION, AND INVENTORY.***--Generally, the data reported for the end-of-period inventories (i.e., line T) should be equal to the beginning-of-period inventories (i.e., line B), plus production (i.e., line C), less total shipments (i.e., lines D, F, H, J, L, N, P). 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	
	2012	2013	2014	2015	2016	2017	2017	2018
B + C – D – F – H – J – L – N – P – T = should equal zero ("0") or provide an explanation. <sup>1</sup>	0	0	0	0	0	0	0	0
<sup>1</sup> Explanation if the calculated fields above are returning values other than zero (i.e., "0") but are nonetheless accurate: _____.								

II-16. **Exports to the United States not produced by your firm.**--Report your firm's exports to the United States of CSPV modules that were assembled using Chinese-origin CSPV cells but not by your firm (i.e., your firm is just the exporter not the producer/assembler) during the specified periods. Note these data should **not** be included in question II-15.

Quantity (in kilowatts) and Value (in 1,000 dollars)								
Item	Calendar year						January-June	
	2012	2013	2014	2015	2016	2017	2017	2018
<b>Exports of CSPV modules to the U.S. not produced by your firm<sup>1</sup>.</b> —								
<i>Quantity</i> <sup>1</sup>								
<i>Value</i>								
<sup>1</sup> List the producer(s). _____								



II-17. **Other explanations.**--If your firm would like to further explain a response to a question in Part II that did not have 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.

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**PART III.--MARKET FACTORS**

Further information on this part of the questionnaire can be obtained from James Horne (202-205-2722, [James.Horne@usitc.gov](mailto:James.Horne@usitc.gov)).

III-1. **Contact information.**--Please identify the responsible individual and how Commission staff may contact the individual regarding the confidential information submitted in part III.

Name	
Title	
Email	
Telephone	
Fax	

III-2. **Contract versus spot.**--Approximately what share of your firm's sales of CSPV cells and modules to U.S. customers in 2017 was on a (1) long-term contract basis, (2) annual contract basis, (3) short-term contract basis, and (4) spot sales basis?

	Type of sale				Total (should sum to 100.0%)
	Long-term contracts (multiple deliveries for more than 12 months)	Annual contracts (multiple deliveries for 12 months)	Short-term contracts (multiple deliveries for less than 12 months)	Spot sales (for a single delivery)	
Share of your 2017 sales (CSPV cells)	%	%	%	%	0.0 %
Share of your 2017 sales (CSPV modules)	%	%	%	%	0.0 %

III-3. **Contract provisions.**--Please fill out the table regarding your firm's typical sales contracts with U.S. customers for CSPV cells and modules (or check "not applicable" if your firm does not sell on a long-term, short-term and/or annual contract basis).

<b>Typical sales contract provisions</b>	<b>Item</b>	<b>Short-term contracts</b> (multiple deliveries for less than 12 months)	<b>Annual contracts</b> (multiple deliveries for 12 months)	<b>Long-term contracts</b> (multiple deliveries for more than 12 months)
Average contract duration	<i>No. of days</i>		365	
Price renegotiation (during contract period)	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixed quantity and/or price	<i>Quantity</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Price</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Both</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meet or release provision	<i>Yes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>No</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III-4. **Lead times.**--What is your firm's share of sales from inventory and produced to order and what is the typical lead time between a customer's order and the date of delivery for your firm's sales of CSPV cells and modules?

<b>Source</b>	<b>Share of 2017 sales</b>	<b>Lead time (Average number of days)</b>
From inventory	%	
Produced to order	%	
<b>Total</b> (should sum to 100.0%)	0.0 %	

III-5. **Raw materials.**--Indicate how CSPV cells and modules raw materials prices have changed since January 1, 2012, and how you expect they will change in the future.

<b>Raw materials prices</b>	<b>Overall increase</b>	<b>No change</b>	<b>Overall decrease</b>	<b>Fluctuate with no clear trend</b>	<b>Explain, noting how raw material price changes have affected your firm's selling prices for CSPV cells and modules.</b>
Changes since January 1, 2012	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anticipated changes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-6. **Changes in factors affecting supply.**--Have any changes occurred in any other factors affecting supply (e.g., changes in availability or prices of energy or labor; transportation conditions; production capacity and/or methods of production; technology; export markets; or alternative production opportunities) that affected the availability of China-produced CSPV cells and modules in the U.S. market since January 1, 2012?

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

III-7. **Availability of SUBJECT import supply.**--Do you anticipate any changes in terms of the availability of China-produced CSPV cells and modules in the U.S. market in the future?

Increase	No change	Decrease	If you anticipate changes in supply, please identify the changes, including the time period and the impact of such changes on shipment volumes and prices.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-8. **Product shifting.**--Describe how easily your firm can shift its sales of CSPV cells and modules between the U.S. market and alternative country markets. In your discussion, please describe any contracts, other sales arrangements, or other constraints (including any third-country trade barriers such as tariffs, quotas, or other non-tariff barriers) that would prevent or retard your firm from shifting CSPV cells and modules between the U.S. and alternative country markets within a 12-month period.

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III-9. **Product range.**--Is the product range, product mix, or marketing of CSPV cells and modules in your firm's home market different from that of CSPV cells and modules for export to the United States or to third-country markets?

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

III-10. **Product changes.**--Have there been any significant changes in the product range, product mix, or marketing of CSPV cells and modules in your firm's home market, for export to the United States, or for export to third-country markets since January 1, 2012? Do you anticipate any future changes?

Changes in product range, product mix, or marketing	No	Yes	Explain (including in which market the change occurred and during what time period.)
Changes since January 1, 2012	<input type="checkbox"/>	<input type="checkbox"/>	
Anticipated changes	<input type="checkbox"/>	<input type="checkbox"/>	

**III-11. Substitutes. --**

(a) Are thin film solar products considered substitutes for CSPV cells and modules in the same end use(s)?

Substitutes	Are these considered substitutes in the market?		End use(s) in which this substitute is used	Have changes in the price of this substitute affected the price for CSPV cells and modules?		
	No	Yes		No	Yes	Explanation
Thin film solar products	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

(b) Can other products not already listed in part "a" of this question be substituted for CSPV cells and modules?

No       Yes--Please fill out the table.

Other substitutes	End use in which this substitute is used	Have changes in the price of this substitute affected the price for CSPV cells and modules?		
		No	Yes	Explanation
1.		<input type="checkbox"/>	<input type="checkbox"/>	
2.		<input type="checkbox"/>	<input type="checkbox"/>	
3.		<input type="checkbox"/>	<input type="checkbox"/>	

(c) Have there been any changes in the number or types of products that can be substituted for CSPV cells and modules since January 1, 2012? Do you anticipate any future changes?

Changes in substitutes	No	Yes	Explain
Changes since January 1, 2012	<input type="checkbox"/>	<input type="checkbox"/>	
Anticipated changes	<input type="checkbox"/>	<input type="checkbox"/>	

**III-12. Interchangeability.—**Are the CSPV cells and modules produced by your firm and sold in its home market interchangeable (i.e., can be used in the same applications) with your firm's CSPV cells and modules sold to the United States and/or to third-country markets?

Yes	No	If no, identify the market(s) and any differences in the products.
<input type="checkbox"/>	<input type="checkbox"/>	

III-13. **End uses.**—

(a) Estimate the percent of your total production cost that is accounted for by CSPV cells and by other inputs (such as labor, energy, and other raw materials) in modules.

Product(s) your firm produces	Share of total cost in each of the product(s) your firm produces accounted for by				Total (should sum to 100.0% across)
	CSPV cells		Other inputs		
Module	%	+	%	=	0.0 %

(b) For products you make using CSPV modules, please estimate the percent of your total production cost that is accounted for by CSPV modules and by other inputs (such as labor, energy, and other raw materials).

Product(s) your firm produces	Share of total cost in each of the product(s) your firm produces accounted for by				Total (should sum to 100.0% across)
	CSPV modules		Other inputs		
Residential system	%	+	%	=	0.0 %
Commercial system	%	+	%	=	0.0 %
Utility system	%	+	%	=	0.0 %
Off grid portable consumer goods	%	+	%	=	0.0 %
Other:	%	+	%	=	0.0 %

(c) Have there been any changes in the end uses of CSPV cells and modules since January 1, 2012? Do you anticipate any future changes?

Changes in end uses	No	Yes	Explain
Changes since January 1, 2012	<input type="checkbox"/>	<input type="checkbox"/>	
Anticipated changes	<input type="checkbox"/>	<input type="checkbox"/>	

III-14. **Demand trends.**--Indicate how demand in the following markets for CSPV cells and modules has changed since January 1, 2012, 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.

Your firm's market	Overall increase	No change	Overall decrease	Fluctuate with no clear trend	Explanation and factors
<b>Demand since January 1, 2012</b>					
Home market	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
United States (Residential)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
United States (Utility)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other markets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Anticipated future demand</b>					
Home market	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
United States (Residential)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
United States (Utility)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other markets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

III-15. **Price differences.**--Please compare market prices of CSPV cells and modules in your firm's home market, the United States, and third-country markets.

III-16. **Description of home market.**--Describe briefly your firm's home market for CSPV cells and modules, including the number of, and competition between, producers.



III-17. **Import competition.**--Does your firm face competition from imports of CSPV cells and modules in your firm's home market?

No	Yes	If yes, please identify the country sources of these imports.
<input type="checkbox"/>	<input type="checkbox"/>	

III-18. **Impact of the section 201 safeguard on firm and market**—

(a) Did the announcement on January 22, 2018 and subsequent implementation of remedies in the section 201 safeguard proceeding have any discernible impact on your firm's CSPV cell and module operations and/or the market as a whole? Include in this discussion the impact of the 2.5 GW exemption and tariff-rate quotas for CSPV cells if applicable.

No             Yes--Please specify.

Item	Response
Impact on firm <sup>1</sup>	
Impact on overall market <sup>2</sup>	
<sup>1</sup> Please identify the magnitude and timing of any effects, and compare your firm's operations before and after the announcement of the safeguard measures on January 22, 2018. <sup>2</sup> Please identify the magnitude and timing of any effects, and compare the overall market before and after the announcement of the safeguard measures on January 22, 2018.	

(b) Please indicate the impact that your firm has observed with regards to the announcement on January 22, 2018 and subsequent implementation of remedies in the section 201 safeguard proceeding.

Item	Overall improve	No change	Overall worsen	Fluctuate with no clear trend	Explanation and factors
Overall demand for CSPV cells and modules in the U.S. market	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Prices for CSPV cells and modules in the U.S. market	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Impacted your own firm's CSPV cell and module operations in the United States	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(c) What impact did the announcement on January 22, 2018 and subsequent implementation of remedies in the section 201 safeguard proceeding have on your firm's forward-looking outlook?

Item	Strongly worsened	Somewhat worsened	No change	Somewhat improved	Strongly improved
Firm's forward looking outlook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Narrative explanation:

III-19. **Market studies.**--Please provide as a separate attachment to this request any studies, surveys, etc. that you are aware of that quantify and/or otherwise discuss CSPV cells and modules supply (including production capacity and capacity utilization) and demand in (1) the United States, (2) each of the other major producing/consuming countries, including China, and (3) the world as a whole. Of particular interest is such data from 2012 to the present and forecasts for the future.

III-20. **Other explanations.**--If your firm would like to further explain a response to a question in Part III 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.

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

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

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

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

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

The screenshot shows the 'Region and Language' dialog box with the 'Administrative' tab selected. The 'Format' dropdown is set to 'Italian (Italy)'. Under 'Date and time formats', the settings are: Short date: dd/MM/yyyy, Long date: dddd d MMMM yyyy, Short time: HH:mm, Long time: HH:mm:ss, and First day of week: lunedì. The 'Examples' section shows: Short date: 03/11/2015, Long date: martedì 3 novembre 2015, Short time: 10:35, and Long time: 10:35:44. At the bottom, there are 'OK', 'Cancel', and 'Apply' buttons, along with a link to 'Go online to learn about changing languages and regional formats' and an 'Additional settings...' button.

The screenshot shows the 'Region and Language' dialog box with the 'Administrative' tab selected. The 'Format' dropdown is set to 'English (United States)'. Under 'Date and time formats', the settings are: Short date: M/d/yyyy, Long date: dddd, MMMM dd, yyyy, Short time: h:mm tt, Long time: h:mm:ss tt, and First day of week: Sunday. The 'Examples' section shows: Short date: 8/6/2015, Long date: Thursday, August 06, 2015, Short time: 2:47 PM, and Long time: 2:47:25 PM. At the bottom, there are 'OK', 'Cancel', and 'Apply' buttons, along with a link to 'Go online to learn about changing languages and regional formats' and an 'Additional settings...' button.

## 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/701731/2017/crystalline\\_silicon\\_photovoltaic\\_cells\\_and\\_modules/first\\_review\\_full.htm](https://usitc.gov/investigations/701731/2017/crystalline_silicon_photovoltaic_cells_and_modules/first_review_full.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:** **CSPV1**

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

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

***Parties to this proceeding.***—If your firm is a party to this proceeding, 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 CFR § 207.7). 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 CFR § 207.7). Service of the questionnaire must be made in paper form.