

U.S. Department of Energy  
Energy Information Administration  
Form EIA-63B

**ANNUAL PHOTOVOLTAIC MODULE/CELL MANUFACTURERS SURVEY**

This report is **mandatory** under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections, see the sanction provision and the provisions concerning the confidentiality of information in the Instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

**THE REPORTING PERIOD FOR THIS SURVEY IS THE CALENDAR YEAR \_\_\_\_\_**

For glossary and instructions, please refer to the instructions for this form.

**1.0 IDENTIFICATION DATA**

1.1 Respondent Identification:                   <Company Name>                   <Company ID>  
 Current Address of Principal Business Office                   Current Address of Preparer's Office (If different than principal address)

(a) Street Address: \_\_\_\_\_ (a) Street Address: \_\_\_\_\_  
 (b) City: \_\_\_\_\_ (b) City: \_\_\_\_\_  
 (c) State/U.S. territory or possession: \_\_\_\_\_ (c) State/U.S. territory or possession: \_\_\_\_\_  
 (d) Zip Code: \_\_\_\_\_ (d) Zip Code: \_\_\_\_\_

1.2 Provide the name, title, and contact information for the principal people in your company to whom questions should be addressed regarding this submission.

(a) Preparer's Supervisor Name: \_\_\_\_\_ (a) Preparer's Name: \_\_\_\_\_  
 (b) Title: \_\_\_\_\_ (b) Title: \_\_\_\_\_  
 (c) Telephone: \_\_\_\_\_ (c) Telephone: \_\_\_\_\_  
 (d) Fax: \_\_\_\_\_ (d) Fax: \_\_\_\_\_  
 (e) E-mail: \_\_\_\_\_ (e) E-mail: \_\_\_\_\_

**2.0 MANUFACTURING STATUS**

2.1 During the current reporting period, did your company: (Mark as appropriate)

(a) Manufacture and ship photovoltaic modules/cells?  Yes  No  
 (b) Cease manufacturing but continue to ship photovoltaic modules/cells?  Yes  No  
 (c) Import and ship photovoltaic modules/cells?  Yes  No  
 (d) Manufacture and export photovoltaic modules/cells?  Yes  No

*Note: If you answered "Yes" to any part of question 2.1 and the volume of the total shipments is 500 peak watts or above, please complete the remainder of this form. If you answered "No" to all parts of question 2.1 or the volume of the total shipments is less than 500 peak watts, please complete questions 2.2 & 7.0 and submit this form electronically using EIA's secure Internet Data Collection (IDC) system.*

2.2 If you answered "No" to all parts of question 2.1, do you plan to manufacture, import, export, or ship photovoltaic modules/cells in the future?  
 If yes, when? \_\_\_\_\_ (year)  Yes  No

**3.0 MANUFACTURER AND MARKETING DATA**

3.1 Mark the appropriate box or boxes to indicate all the photovoltaic-related activities in which your company was engaged during the survey year. Mark only those that apply to your photovoltaic-related activities.

- (a)  Module or cell manufacturing
- (b)  Module or system design
- (c)  Prototype module development
- (d)  Prototype systems development
- (e)  Wholesale distribution of modules
- (f)  Retail distribution of modules
- (g)  Installation
- (h)  Manufacture of system components-other than those used for module assembly
- (i)  Other (describe): \_\_\_\_\_

3.2 If you are planning to introduce a new photovoltaic-related product in the next calendar year, please check the appropriate box.

- (a)  Single-crystal silicon modules/cells
- (b)  Cast silicon modules/cells
- (c)  Ribbon silicon modules/cells
- (d)  Amorphous silicon modules/cells
- (e)  Other (thin film)-specify: \_\_\_\_\_
- (f)  Other (flat plate)-specify: \_\_\_\_\_
- (g)  Other (concentrator)-specify: \_\_\_\_\_
- (h)  Nonmodule system components-specify: \_\_\_\_\_

3.3 Please enter the number of person-years expended in your company in photovoltaic-related activities during the survey year.  
 \_\_\_\_\_ person-years (For clarification of "person-year" see the instructions.)

3.4 What percentage of your company's total sales revenue do photovoltaic-related activities compose?

- (a)  90 – 100%
- (b)  50 – 89%
- (c)  10 – 49%
- (d)  Less than 10%

Company Name:

Reporting Period (Calendar Year )

**4.0 PHOTOVOLTAIC CELL AND MODULE SHIPMENT DATA.** For each type of collector manufactured or imported, and shipped, enter the data for this reporting period.

ITEM	MODULE/CELL TYPE							
	Crystalline Silicon			Thin Film		Concentrator	Other	Total
	Single Crystal (Czochralsky) (a)	Cast (b)	Ribbon (c)	Amorphous Silicon (d)	Other (Specify) (e)	(f)	(Specify) (g)	(h)
<b>4.1 Total Collector Shipments (in peak kilowatts)</b>								
(1) Total net module shipments								
(2) Total net cell shipments								
(3) Total quantity of shipments								
<b>4.2 Value of Shipments (dollars)</b>								
(1) Value of module shipments								
(2) Value of cell shipments								
(3) Total value of shipments								
<b>4.3 Energy Conversion Efficiency (% per peak kilowatts)</b>								
Percent of Power Converted (standard conditions)								
<b>4.4 Domestic Shipments by Sector (in peak kilowatts)</b>								
(1) Residential								
(2) Commercial								
(3) Industrial								
(4) Electric Power								
(5) Transportation								
(6) Total domestic shipments by sector*								
<b>4.5 Domestic Shipments by End Use (in peak kilowatts)</b>								
(1) Health								
(2) Water pumping								
(3) Transportation								
(4) Communication								
(5) Consumer goods								
(6) Electricity generation								
(a) Grid interactive (connected to grid)								
(b) Remote System (not connected to grid)								
(7) To original equipment manufacturers (Non-PV)								
(8) Total domestic shipments by end use*								
<b>4.6 Imports (in peak kilowatts)</b>								
(1) Modules								
(2) Cells								
(3) Total imports								
<b>4.7 Exports (in peak kilowatts)</b>								
(1) Modules								
(2) Cells								
(3) Total exports								

\* Domestic shipments equal to total quantity of shipments in item 4.1 (3) minus exports in item 4.7 (3).



4.10 Domestic Shipments of Cells and Modules by Customer Type (in peak kilowatts)

	<b>Modules</b> (Peak Kilowatts)	<b>Cells</b> (Peak Kilowatts)
(a) Exporters	_____	_____
(b) Module Manufacturers	XXXXXXXXXXXXX XXXXXXXXXXXXX	_____
(c) Wholesale Distributors	_____	_____
(d) Retail Distributors	_____	_____
(e) Installers	_____	_____
(f) End - Users	_____	_____
TOTAL	_____	_____

5.0 SYSTEMS DATA

- 5.1 Of the module shipments reported in 4.1 (1) (h), how many complete systems were shipped \_\_\_\_\_ (number of systems)?
- 5.2 Of the module shipments reported in 4.1 (1) (h), enter the peak kilowatts that were sold as part of complete systems \_\_\_\_\_ (kilowatts)?
- 5.3 What was the value of complete systems shipped in question 5.1 \_\_\_\_\_ (dollars)?

6.0 GEOGRAPHIC DATA

6.1 Please check the box for each State/U.S. territory or possession in which you manufactured/imported. Report the peak kilowatts of your company's cells/modules manufactured in the State/U.S. territory or possession listed below under Code 01-78, this indicates manufacture from the State/U.S. territory or possession. If some cells/modules were imported from another country, please indicate under Code 00 the peak kilowatts imported and report details about the country of import in question 4.8.

State Code	Modules/Cells Imported or Manufactured in the State (Peak Kilowatts)	State Code	Modules/Cells Imported or Manufactured in the State (Peak Kilowatts)	State Code	Modules/Cells Imported or Manufactured in the State (Peak Kilowatts)
00	<input type="checkbox"/> Imported _____	22	<input type="checkbox"/> Louisiana _____	41	<input type="checkbox"/> Oregon _____
01	<input type="checkbox"/> Alabama _____	23	<input type="checkbox"/> Maine _____	42	<input type="checkbox"/> Pennsylvania _____
02	<input type="checkbox"/> Alaska _____	24	<input type="checkbox"/> Maryland _____	44	<input type="checkbox"/> Rhode Island _____
04	<input type="checkbox"/> Arizona _____	25	<input type="checkbox"/> Massachusetts _____	45	<input type="checkbox"/> South Carolina _____
05	<input type="checkbox"/> Arkansas _____	26	<input type="checkbox"/> Michigan _____	46	<input type="checkbox"/> South Dakota _____
06	<input type="checkbox"/> California _____	27	<input type="checkbox"/> Minnesota _____	47	<input type="checkbox"/> Tennessee _____
08	<input type="checkbox"/> Colorado _____	28	<input type="checkbox"/> Mississippi _____	48	<input type="checkbox"/> Texas _____
09	<input type="checkbox"/> Connecticut _____	29	<input type="checkbox"/> Missouri _____	49	<input type="checkbox"/> Utah _____
10	<input type="checkbox"/> Delaware _____	30	<input type="checkbox"/> Montana _____	50	<input type="checkbox"/> Vermont _____
11	<input type="checkbox"/> D.C. _____	31	<input type="checkbox"/> Nebraska _____	51	<input type="checkbox"/> Virginia _____
12	<input type="checkbox"/> Florida _____	32	<input type="checkbox"/> Nevada _____	53	<input type="checkbox"/> Washington _____
13	<input type="checkbox"/> Georgia _____	33	<input type="checkbox"/> New Hampshire _____	54	<input type="checkbox"/> West Virginia _____
15	<input type="checkbox"/> Hawaii _____	34	<input type="checkbox"/> New Jersey _____	55	<input type="checkbox"/> Wisconsin _____
16	<input type="checkbox"/> Idaho _____	35	<input type="checkbox"/> New Mexico _____	56	<input type="checkbox"/> Wyoming _____
17	<input type="checkbox"/> Illinois _____	36	<input type="checkbox"/> New York _____	60	<input type="checkbox"/> American Samoa _____
18	<input type="checkbox"/> Indiana _____	37	<input type="checkbox"/> North Carolina _____	66	<input type="checkbox"/> Guam _____
19	<input type="checkbox"/> Iowa _____	38	<input type="checkbox"/> North Dakota _____	72	<input type="checkbox"/> Puerto Rico _____
20	<input type="checkbox"/> Kansas _____	39	<input type="checkbox"/> Ohio _____	78	<input type="checkbox"/> Virgin Islands (U.S.) _____
21	<input type="checkbox"/> Kentucky _____	40	<input type="checkbox"/> Oklahoma _____		<input type="checkbox"/> Other U.S. territory or possession (Specify) _____

**Total** \_\_\_\_\_

6.2 Please check the box for each State/U.S. territory or possession to which you shipped/exported. Report the peak kilowatts of your company's cells/modules shipped to the State/U.S. territory or possession listed below under Code 01-78, this indicates shipments to the State/U.S. territory or possession. If some cells/modules were exported to another country, please indicate under Code 00 the peak kilowatts exported and report details about the country of export in question 4.9.

State Code	Modules/Cells Exported or Shipped to a State (Peak Kilowatts)	State Code	Modules/Cells Exported or Shipped to a State (Peak Kilowatts)	State Code	Modules/Cells Exported or Shipped to a State (Peak Kilowatts)
00	<input type="checkbox"/> Exported _____	22	<input type="checkbox"/> Louisiana _____	41	<input type="checkbox"/> Oregon _____
01	<input type="checkbox"/> Alabama _____	23	<input type="checkbox"/> Maine _____	42	<input type="checkbox"/> Pennsylvania _____
02	<input type="checkbox"/> Alaska _____	24	<input type="checkbox"/> Maryland _____	44	<input type="checkbox"/> Rhode Island _____
04	<input type="checkbox"/> Arizona _____	25	<input type="checkbox"/> Massachusetts _____	45	<input type="checkbox"/> South Carolina _____
05	<input type="checkbox"/> Arkansas _____	26	<input type="checkbox"/> Michigan _____	46	<input type="checkbox"/> South Dakota _____
06	<input type="checkbox"/> California _____	27	<input type="checkbox"/> Minnesota _____	47	<input type="checkbox"/> Tennessee _____
08	<input type="checkbox"/> Colorado _____	28	<input type="checkbox"/> Mississippi _____	48	<input type="checkbox"/> Texas _____
09	<input type="checkbox"/> Connecticut _____	29	<input type="checkbox"/> Missouri _____	49	<input type="checkbox"/> Utah _____
10	<input type="checkbox"/> Delaware _____	30	<input type="checkbox"/> Montana _____	50	<input type="checkbox"/> Vermont _____
11	<input type="checkbox"/> D.C. _____	31	<input type="checkbox"/> Nebraska _____	51	<input type="checkbox"/> Virginia _____
12	<input type="checkbox"/> Florida _____	32	<input type="checkbox"/> Nevada _____	53	<input type="checkbox"/> Washington _____
13	<input type="checkbox"/> Georgia _____	33	<input type="checkbox"/> New Hampshire _____	54	<input type="checkbox"/> West Virginia _____
15	<input type="checkbox"/> Hawaii _____	34	<input type="checkbox"/> New Jersey _____	55	<input type="checkbox"/> Wisconsin _____
16	<input type="checkbox"/> Idaho _____	35	<input type="checkbox"/> New Mexico _____	56	<input type="checkbox"/> Wyoming _____
17	<input type="checkbox"/> Illinois _____	36	<input type="checkbox"/> New York _____	60	<input type="checkbox"/> American Samoa _____
18	<input type="checkbox"/> Indiana _____	37	<input type="checkbox"/> North Carolina _____	66	<input type="checkbox"/> Guam _____
19	<input type="checkbox"/> Iowa _____	38	<input type="checkbox"/> North Dakota _____	72	<input type="checkbox"/> Puerto Rico _____
20	<input type="checkbox"/> Kansas _____	39	<input type="checkbox"/> Ohio _____	78	<input type="checkbox"/> Virgin Islands (U.S.) _____
21	<input type="checkbox"/> Kentucky _____	40	<input type="checkbox"/> Oklahoma _____		<input type="checkbox"/> Other U.S. territory or possession (Specify) _____

**Total** \_\_\_\_\_

7.0 **COMMENTS** – Enter comments in the space provided.