



Independent Statistics & Analysis
U.S. Energy Information
Administration

2017 Monthly Solar Photovoltaic Module Shipments Report

January 2018



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Table 1. U.S. photovoltaic industry status, 2017

NOT PUBLISHED AT MONTHLY LEVEL

Table 2. Value and average value of photovoltaic module shipments, 2017

SEE TABLE 3

Table 3. Annual photovoltaic module shipments, 2006-2017 (peak kilowatts)

Year/Month	Total Shipments	Value	Average Value
	peak kilowatts	thousand dollars	dollars per peak watt
2006	320,208	\$1,120,728	\$3.50
2007	494,148	\$1,665,279	\$3.37
2008	920,693	\$3,213,219	\$3.49
2009	1,188,879	\$3,316,972	\$2.79
2010	2,644,498	\$5,192,670	\$1.96
2011	3,772,075	\$5,990,348	\$1.59
2012	4,655,005	\$5,341,383	\$1.15
2013	4,984,881	\$3,754,813	\$0.75
2014	6,237,524	\$5,425,418	\$0.87
2015	9,942,978	\$7,014,257	\$0.71
2016	13,451,187	\$9,699,144	\$0.72
2017*			
January	346,090	\$274,391	\$0.79
February	398,494	\$277,999	\$0.70
March	847,859	\$648,204	\$0.76
April	636,679	\$297,492	\$0.47
May	573,400	\$285,187	\$0.50
June	874,889	\$453,190	\$0.52
July	838,412	\$439,894	\$0.52
August	1,065,969	\$639,306	\$0.60
September	1,110,193	\$606,470	\$0.55
October	1,243,893	\$549,092	\$0.44

Source: U.S. Energy Information Administration, Form EIA-63B, 'Monthly Photovoltaic Module Shipments Report.' Note: Includes both U.S. Shipments and Exports.

*2017 monthly data are based on a subset of the largest manufacturers representing approximately 90 percent of the previous year's total shipments.

Table 4. Average value of photovoltaic modules (dollars per peak watt), 2017

SEE TABLE 3

Table 5. Source and disposition of photovoltaic cell shipments, 2017

NO LONGER PUBLISHED AS OF 2016

Table 6. Source and disposition of photovoltaic module shipments, 2017
(peak kilowatts)

Month	Source		Disposition		
	Imported During Reporting Month	U.S. Shipments and Sales to U.S. OEM* for Resale	Export Shipments	Total Shipments	
January	467,157	333,411	12,680	346,090	
February	441,290	379,808	18,686	398,494	
March	566,912	819,538	28,321	847,859	
April	691,115	610,607	26,072	636,679	
May	622,108	536,730	36,670	573,400	
June	911,102	843,707	31,183	874,889	
July	909,668	826,176	12,237	838,412	
August	968,118	W	W	1,065,969	
September	1,170,491	W	W	1,110,193	
October	1,080,440	W	W	1,243,893	

Source: U.S. Energy Information Administration, Form EIA-63B, 'Monthly Photovoltaic Module Shipments Report.'

*OEM is Original Equipment Manufacturer

*2017 monthly data are based on a subset of the largest manufacturers representing approximately 90 percent of the previous year's total shipments. W = Withheld to protect sensitive data.

Table 7. Photovoltaic module import shipments by country, 2017

IMPORTS AT THE NATIONAL LEVEL ARE PUBLISHED IN TABLE 6. COUNTRY OF ORIGIN CANNOT BE PUBLISHED IN ORDER TO PROTECT INDIVIDUAL COMPANY DATA.

Table 8. Destination of photovoltaic module export shipments, 2017

EXPORTS AT NATIONAL LEVEL ARE PUBLISHED IN TABLE 6. DESTINATION COUNTRY CANNOT BE PUBLISHED IN ORDER TO PROTECT INDIVIDUAL COMPANY DATA.

Table 9. U.S. photovoltaic module shipments by state/territory, 2017 (peak kilowatts)

State	January		February		March		April		May		June		July		August		September		October	
	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total
Alabama	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Alaska	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Arizona	15,199	4.6%	24,996	6.6%	52,604	6.4%	30,657	5.0%	14,559	2.7%	10,254	1.2%	20,298	2.5%	42,085	W	15,801	W	15,679	W
California	145,943	43.8%	126,713	33.4%	199,170	24.3%	174,883	28.6%	124,957	23.3%	201,579	23.9%	176,125	21.3%	266,396	W	276,091	W	332,236	W
Colorado	2,113	0.6%	1,954	0.5%	8,740	1.1%	14,828	2.4%	16,231	3.0%	4,362	0.5%	4,766	0.6%	7,504	W	3,647	W	2,187	W
Connecticut	4,764	1.4%	7,999	2.1%	5,882	0.7%	5,402	0.9%	4,300	0.8%	9,438	1.1%	5,729	0.7%	10,053	W	36,297	W	11,167	W
District of Columbia	W	W	W	W	W	W	1,115	0.2%	W	W	W	W	W	W	W	W	W	W	W	W
Delaware	W	W	1,182	0.3%	698	0.1%	W	W	W	W	1,353	0.2%	W	W	W	W	W	W	W	W
Florida	10,123	3.0%	4,538	1.2%	3,963	0.5%	7,347	1.2%	W	W	W	W	W	W	W	W	W	W	W	W
Georgia	W	W	190	0.1%	7,362	0.9%	W	W	W	W	8,344	1.0%	12,705	1.5%	W	W	W	W	2,090	W
Guam	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Hawaii	2,511	0.8%	4,526	1.2%	2,511	0.3%	2,598	0.4%	1,913	0.4%	2,011	0.2%	1,928	0.2%	3,506	W	2,928	W	1,444	W
Iowa	W	W	W	W	W	W	W	W	1,407	0.3%	942	0.1%	W	W	W	W	W	W	W	W
Idaho	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Illinois	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Indiana	W	W	553	0.1%	1,077	0.1%	834	0.1%	13,537	2.5%	12,878	1.5%	3,575	0.4%	W	W	5,141	W	W	W
Kansas	W	W	W	W	W	W	W	W	W	W	W	W	W	W	574	W	W	W	W	W
Kentucky	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Massachusetts	8,428	2.5%	24,568	6.5%	33,847	4.1%	9,142	1.5%	11,863	2.2%	24,825	2.9%	30,559	3.7%	28,241	W	32,782	W	39,789	W
Maryland	10,576	3.2%	W	W	W	W	W	W	W	W	19,055	2.3%	15,081	1.8%	11,414	W	10,173	W	7,644	W
Maine	W	W	W	W	W	W	W	W	W	W	W	W	W	W	1,156	W	W	W	W	W
Michigan	W	W	W	W	812	0.1%	W	W	W	W	W	W	W	W	W	W	684	W	W	W
Minnesota	W	W	W	W	W	W	863	0.1%	22,838	4.3%	23,621	2.8%	9,809	1.2%	30,668	W	61,315	W	46,501	W
Missouri	815	0.2%	W	W	W	W	1,485	0.2%	W	W	W	W	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

Table 9. U.S. photovoltaic module shipments by state/territory, 2017 (peak kilowatts)

State	January		February		March		April		May		June		July		August		September		October	
	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total	Total	Percent of U.S. total
Montana	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Nebraska	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
New Hampshire	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
New Jersey	24,721	7.4%	17,188	4.5%	80,799	9.9%	24,003	3.9%	31,149	5.8%	41,658	4.9%	27,960	3.4%	32,873	W	43,056	W	40,020	W
New Mexico	2,802	0.8%	1,975	0.5%	2,143	0.3%	2,324	0.4%	2,740	0.5%	3,007	0.4%	2,490	0.3%	W	W	W	W	2,210	W
New York	18,134	5.4%	10,376	2.7%	15,179	1.9%	10,088	1.7%	12,979	2.4%	37,410	4.4%	29,092	3.5%	30,117	W	44,403	W	51,176	W
Nevada	1,682	0.5%	W	W	W	W	749	0.1%	2,674	0.5%	W	W	3,948	0.5%	5,540	W	5,235	W	2,662	W
North Carolina	1,499	0.4%	W	W	W	W	81,708	13.4%	45,284	8.4%	20,682	2.5%	W	W	51,257	W	39,901	W	46,407	W
North Dakota	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Ohio	4,202	1.3%	W	W	W	W	W	W	W	W	1,507	0.2%	W	W	W	W	W	W	W	W
Oklahoma	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Oregon	2,734	0.8%	1,698	0.4%	1,935	0.2%	W	W	W	W	16,234	1.9%	10,546	1.3%	14,010	W	W	W	33,191	W
Pennsylvania	3,472	1.0%	2,195	0.6%	3,568	0.4%	4,873	0.8%	6,132	1.1%	4,070	0.5%	8,296	1.0%	4,716	W	8,450	W	7,162	W
Puerto Rico	1,458	0.4%	W	W	W	W	4,743	0.8%	9,441	1.8%	W	W	W	W	W	W	W	W	W	W
Rhode Island	W	W	W	W	W	W	429	0.1%	W	W	W	W	W	W	W	W	W	W	W	W
South Carolina	3,363	1.0%	3,902	1.0%	17,848	2.2%	8,680	1.4%	13,381	2.5%	5,607	0.7%	19,454	2.4%	23,528	W	84,644	W	73,926	W
South Dakota	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Tennessee	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Texas	32,251	9.7%	37,391	9.8%	44,382	5.4%	61,984	10.2%	31,568	5.9%	67,189	8.0%	62,974	7.6%	35,373	W	18,638	W	76,038	W
Utah	4,043	1.2%	2,441	0.6%	17,902	2.2%	2,514	0.4%	3,632	0.7%	4,049	0.5%	2,410	0.3%	1,997	W	1,315	W	3,550	W
Vermont	680	0.2%	1,994	0.5%	4,386	0.5%	4,605	0.8%	5,607	1.0%	9,778	1.2%	2,753	0.3%	3,751	W	1,779	W	3,231	W
Virginia	W	W	W	W	W	W	W	W	W	W	45,291	5.4%	54,483	6.6%	112,826	W	W	W	W	W
Washington	267	0.1%	200	0.1%	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wisconsin	W	W	W	W	W	W	W	W	W	W	W	W	W	W	2,616	W	W	W	W	W
West Virginia	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Total**	333,411	100.0%	379,808	100.0%	819,538	100.0%	610,607	100.0%	536,730	100.0%	843,707	100.0%	826,176	100.0%	W	W	W	W	W	W

Source: U.S. Energy Information Administration, Form EIA-63B, 'Annual Photovoltaic Cell/Module Shipments Report.'

* 2017 monthly data are based on a sample of the largest manufacturers representing approximately 90 percent of shipments.

** Totals include both Shipments to U.S. by State and Sales to O.E.M. for Resale

W = Withheld to protect sensitive data.

Small differences between total values in T. 6 versus T. 9 due to rounding and/or reported data discrepancies