



Independent Statistics & Analysis
U.S. Energy Information
Administration

2018 Monthly Solar Photovoltaic Module Shipments Report

December 2018



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Table 1. U.S. photovoltaic industry status, 2018

NOT PUBLISHED AT MONTHLY LEVEL

Table 2. Value and average value of photovoltaic module shipments, 2018

SEE TABLE 3

Table 3. Annual photovoltaic module shipments, 2006-2018 (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	\$9,701,365	\$0.72
2017*			
January	346,090	\$184,038	\$0.53
February	398,494	\$158,925	\$0.40
March	847,859	\$558,244	\$0.66
April	636,679	\$269,648	\$0.42
May	573,400	\$259,115	\$0.45
June	874,889	\$411,763	\$0.47
July	838,412	\$343,328	\$0.41
August	1,065,969	\$554,272	\$0.52
September	1,110,193	\$513,452	\$0.46
October	1,243,893	\$515,002	\$0.41
November	1,228,391	\$582,586	\$0.47
December	991,623	\$489,164	\$0.49
2018*			
January	579,754	\$266,129	\$0.46
February	461,531	\$193,790	\$0.42
March	523,470	\$227,179	\$0.43
April	265,907	\$137,712	\$0.52
May	404,838	\$162,246	\$0.40
June	486,643	\$225,610	\$0.46
July	492,914	\$222,230	\$0.45
August	599,551	\$269,308	\$0.45
September	741,277	\$319,408	\$0.43
October	575,323	\$246,601	\$0.43

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

Note: Includes both U.S. shipments and exports.

*2017 and 2018 monthly data are based on a subset of the largest manufacturers, which accounts for about 90% of the previous year's total shipments.

Table 4. Average value of photovoltaic modules (dollars per peak watt), 2018

SEE TABLE 3

Table 5. Source and disposition of photovoltaic cell shipments, 2018

NO LONGER PUBLISHED AS OF 2016

Table 6. Source and disposition of photovoltaic module shipments, 2017-2018**(peak kilowatts)**

Year	Month	Source		Disposition	
		Imported during reporting month	U.S. shipments and sales to U.S. OEM* for resale	Export shipments	Total shipments
2017	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
	November	958,536	W	W	1,228,391
	December	902,766	W	W	991,623
2018	January	544,633	571,372	8,382	579,754
	February	407,308	W	W	461,531
	March	301,878	W	W	523,470
	April	269,771	251,529	14,378	265,907
	May	325,673	397,947	6,890	404,838
	June	465,504	W	W	486,643
	July	596,534	W	W	492,914
	August	582,336	W	W	599,551
	September	601,369	W	W	741,277
	October	662,040	W	W	575,323

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

*OEM is Original Equipment Manufacturer.

Note: Monthly data are based on a subset of the largest manufacturers, which accounts for about 90% of the previous year's total shipments.

W = Withheld to protect sensitive data.

Table 7. Photovoltaic module import shipments by country, 2018

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, 2018

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

Table 9. U.S. photovoltaic module shipments by state/territory, 2018 (peak kilowatts)

State	January		February		March		April		May		June		July		August		September		October	
	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% 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	35,888	6%	66,045	W	13,640	W	4,003	2%	5,441	1%	6,995	W	3,864	W	15,358	W	20,814	W	10,111	W
California	170,449	30%	175,797	W	145,259	W	68,694	27%	73,222	18%	80,718	W	110,916	W	123,824	W	150,413	W	203,177	W
Colorado	3,810	1%	11,269	W	4,720	W	702	0%	13,835	3%	18,206	W	1,857	W	4,210	W	4,620	W	2,696	W
Connecticut	4,844	1%	10,260	W	5,818	W	1,904	1%	4,990	1%	6,391	W	6,615	W	2,850	W	6,460	W	5,155	W
District of Columbia	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Delaware	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Florida	5,094	1%	5,031	W	69,981	W	26,957	11%	54,257	14%	67,541	W	W	W	W	W	252,277	W	109,406	W
Georgia	8,586	2%	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Guam	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Hawaii	4,137	1%	1,678	W	W	W	W	W	45,074	11%	W	W	W	W	W	W	4,091	W	2,888	W
Iowa	W	W	W	W	W	W	W	W	W	W	W	W	W	W	835	W	W	W	2,068	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	836	W	308	0%	W	W	W	W	W	W	589	W	W	W	4,330	W
Indiana	W	W	W	W	W	W	606	0%	W	W	W	W	W	W	W	W	W	W	W	W
Kansas	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	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	17,949	3%	20,782	W	37,316	W	15,775	6%	11,089	3%	25,302	W	18,230	W	6,579	W	19,841	W	21,873	W
Maryland	4,936	1%	17,774	W	13,587	W	555	0%	1,460	0%	10,525	W	5,143	W	4,071	W	7,263	W	5,016	W
Maine	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Michigan	W	W	W	W	W	W	W	W	W	W	3,919	W	W	W	W	W	W	W	566	W
Minnesota	W	W	W	W	W	W	13,591	5%	W	W	11,376	W	W	W	10,770	W	9,650	W	W	W
Missouri	W	W	W	W	W	W	W	W	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
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	23,790	4%	27,367	W	37,654	W	14,807	6%	13,836	3%	32,607	W	20,981	W	20,138	W	12,870	W	15,819	W
New Mexico	940	0%	2,346	W	W	W	W	W	629	0%	3,505	W	1,062	W	1,119	W	1,464	W	1,234	W
New York	11,129	2%	11,699	W	12,162	W	9,618	4%	14,926	4%	29,371	W	14,228	W	25,246	W	60,419	W	11,719	W
Nevada	1,778	0%	4,877	W	4,851	W	700	0%	1,580	0%	24,710	W	W	W	W	W	20,763	W	4,732	W

Table 9. U.S. photovoltaic module shipments by state/territory, 2018 (peak kilowatts)

State	January		February		March		April		May		June		July		August		September		October	
	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total	Total	% of U.S. total
North Carolina	75,514	13%	15,000	W	9,845	W	W	W	W	W	21,927	W	814	W	1,076	W	W	W	W	W
North Dakota	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Ohio	W	W	W	W	W	W	W	W	W	W	792	W	1,943	W	1,529	W	W	W	1,345	W
Oklahoma	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Oregon	2,026	0%	1,882	W	1,642	W	1,027	0%	1,033	0%	1,151	W	W	W	W	W	600	W	W	W
Pennsylvania	W	W	W	W	6,889	W	W	W	W	W	W	W	W	W	W	W	7,606	W	7,079	W
Puerto Rico	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Rhode Island	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
South Carolina	8,842	2%	W	W	W	W	W	W	399	0%	1,578	W	4,080	W	3,609	W	1,951	W	W	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	27,436	5%	4,670	W	8,886	W	2,406	1%	7,967	2%	12,765	W	34,881	W	21,543	W	12,332	W	19,778	W
Utah	W	W	W	W	2,403	W	W	W	866	0%	2,195	W	3,526	W	1,487	W	2,521	W	3,681	W
Vermont	W	W	W	W	W	W	W	W	738	0%	1,467	W	W	W	856	W	W	W	2,660	W
Virginia	W	W	W	W	W	W	W	W	W	W	245	W	W	W	W	W	1,225	W	1,182	W
Washington	666	0%	1,411	W	382	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wisconsin	W	W	W	W	587	W	W	W	W	W	W	W	W	W	W	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**	571,372	100%	W	W	W	W	251,529	100%	397,947	100%	W	W	W	W	W	W	W	W	W	W

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

*2018 monthly data are based on a subset of the largest manufacturers, which account for about 90% of the previous year's total shipments.

** Totals include both *Shipments to U.S. by state* and *Sales to U.S. OEM for resale* as shown in Table 6.

W = Withheld to protect sensitive data.

Note: OEM is original equipment manufacturer.