

# 2019 Annual Solar Photovoltaic Module Shipments Report

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Table 1. U.S. photovoltaic industry status, 2019 NOT PUBLISHED FOR 2019

## Table 2. Value and average value of photovoltaic module shipments, 2019

#### Module value, total shipments (thousand dollars)

Total modules	\$6,707,456
Module average value (dollars per peak watt)	
Total modules	\$0.41

Source: U.S. Energy Information Administration, Form EIA-63B, *Annual and Monthly Photovoltaic Module Shipments Report* Note: Dollars are not adjusted for inflation.

Table 3. Annual photovoltaic module shipments, 2006–19 (peak kilowatts)

Year	Modules
2006	320,208
2007	494,148
2008	920,693
2009	1,188,879
2010	2,644,498
2011	3,772,075
2012	4,655,005
2013	4,984,881
2014	6,237,524
2015	9,942,978
2016	13,451,187
2017	10,864,545
2018	7,971,622
2019	16,372,314

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

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

Table 4. Average value of photovoltaic modules, 2006–19 (dollars per peak watt)

Year	Modules
2006	\$3.50
2007	\$3.37
2008	\$3.49
2009	\$2.79
2010	\$1.96
2011	\$1.59
2012	\$1.15
2013	\$0.75
2014	\$0.87
2015	\$0.71
2016	\$0.72
2017	\$0.48
2018	\$0.45
2019	\$0.41

Source: U.S. Energy Information Administration, Form EIA-63B, *Annual and Monthly Photovoltaic Module Shipments Report* Note: Dollars are not adjusted for inflation.

Table 5. Source and disposition of photovoltaic cell shipments, 2019 NOT PUBLISHED FOR 2019

## Table 6. Source and disposition of photovoltaic module shipments, 2019

#### (peak kilowatts)

Module shipments	Total
Source	
Inventory, start-of-year	Q
Manufactured during reporting year	1,827,178
Imported during reporting year	15,316,877
Purchased from U.S. OEM	32,647
Total available for shipment	18,633,857
Disposition	
U.S. shipments and sales to U.S. OEM* for resale	16,007,791
Export shipments	364,523
Total shipments	16,372,314
Inventory, End-of-Year	Q

Source: U.S. Energy Information Administration, Form EIA-63B, *Annual and Monthly Photovoltaic Module Shipments Report* Note: OEM is Original Equipment Manufacturer. Q = poor data quality.

## Table 7. Photovoltaic module import shipments by country, 2019

#### (peak kilowatts)

Country	Total
China, Hong Kong, Singapore	794,508
Malaysia	4,836,248
North America	1,535,726
South Korea and Thailand	2,461,886
Vietnam	3,214,975
Total	12,843,342

Source: U.S. Energy Information Administration, Form EIA-63B, *Annual and Monthly Photovoltaic Module Shipments Report* Note: Country-specific data are from monthly respondents only.

Table 8. Destination of photovoltaic module export shipments, 2019 NOT PUBLISHED FOR 2019

Table 9. U.S. photovoltaic module shipments by state/territory, 2019 (peak kilowatts)

State	Total
Alabama	W
Alaska	W
Arkansas	37,939
Arizona	442,378
California	2,695,420
Colorado	128,553
Connecticut	109,228
District of Columbia	W
Delaware	W
Florida	1,535,081
Georgia	695,739
Guam	W
Hawaii	55,744
Iowa	18,941
Idaho	4,193
Illinois	113,031
Indiana	W
Kansas	W
Kentucky	
Louisiana	
Massachusetts	393,055
Maryland	75,447
Maine	2,185
Michigan	6,736
Minnesota	66,660
Missouri	12,265
Mississippi	W
Montana	W
Nebraska	W
New Hampshire	W
New Jersey	588,992
New Mexico	46,095
New York	274,928
Nevada	307,731
North Carolina	307,731 W
North Dakota	
Ohio	50,843
Oklahoma	50,843 W
Oregon	W
Pennsylvania	76,961
	3,124
Puerto Rico Rhode Island	
	47,914
South Carolina	W
South Dakota	W
Tennessee	645,390
Texas	1,559,448
Utah	192,778
Vermont	28,626
Virginia	494,620
Washington	35,480
Wisconsin	5,179
West Virginia	W
Wyoming	W

Source: U.S. Energy Information Administration, Form EIA-63B, *Monthly Photovoltaic Module Shipments Report* Note: State data collected from monthly respondents only. W = Withheld to protect sensitive data.