

Table 10.8 Photovoltaic Cell and Module Shipments by Type, Trade, and Prices, 1982-2007

| | U.S. Companies Reporting Shipments | Shipments | | | Trade | | Prices ¹ | |
|------|------------------------------------|-----------------------------|-------------------|---------------------|---------|---------|---|-------|
| | | Crystalline Silicon | Thin-Film Silicon | Total ² | Imports | Exports | Modules | Cells |
| Year | Number | Peak Kilowatts ³ | | | | | Nominal Dollars ⁴ per Peak Watt ³ | |
| 1982 | 19 | NA | NA | 6,897 | NA | NA | NA | NA |
| 1983 | 18 | NA | NA | 12,620 | NA | 1,903 | NA | NA |
| 1984 | 23 | NA | NA | 9,912 | NA | 2,153 | NA | NA |
| 1985 | 15 | 5,461 | 303 | 5,769 | 285 | 1,670 | NA | NA |
| 1986 | 17 | 5,806 | 516 | 6,333 | 678 | 3,109 | NA | NA |
| 1987 | 17 | 5,613 | 1,230 | 6,850 | 921 | 3,821 | NA | NA |
| 1988 | 14 | 7,364 | 1,895 | 9,676 | 1,453 | 5,358 | NA | NA |
| 1989 | 17 | 10,747 | 1,628 | 12,825 | 826 | 7,363 | 5.14 | 3.08 |
| 1990 | ⁵ 19 | 12,492 | 1,321 | ⁵ 13,837 | 1,398 | 7,544 | 5.69 | 3.84 |
| 1991 | 23 | 14,205 | 723 | 14,939 | 2,059 | 8,905 | 6.12 | 4.08 |
| 1992 | 21 | 14,457 | 1,075 | 15,583 | 1,602 | 9,823 | 6.11 | 3.21 |
| 1993 | 19 | 20,146 | 782 | 20,951 | 1,767 | 14,814 | 5.24 | 5.23 |
| 1994 | 22 | 24,785 | 1,061 | 26,077 | 1,960 | 17,714 | 4.46 | 2.97 |
| 1995 | 24 | 29,740 | 1,266 | 31,059 | 1,337 | 19,871 | 4.56 | 2.53 |
| 1996 | 25 | 33,996 | 1,445 | 35,464 | 1,864 | 22,448 | 4.09 | 2.80 |
| 1997 | 21 | 44,314 | 1,886 | 46,354 | 1,853 | 33,793 | 4.16 | 2.78 |
| 1998 | 21 | 47,186 | 3,318 | 50,562 | 1,931 | 35,493 | 3.94 | 3.15 |
| 1999 | 19 | 73,461 | 3,269 | 76,787 | 4,784 | 55,562 | 3.62 | 2.32 |
| 2000 | 21 | 85,155 | 2,736 | 88,221 | 8,821 | 68,382 | 3.46 | 2.40 |
| 2001 | 19 | 84,651 | 12,541 | 97,666 | 10,204 | 61,356 | 3.42 | 2.46 |
| 2002 | 19 | 104,123 | 7,396 | 112,090 | 7,297 | 66,778 | 3.74 | 2.12 |
| 2003 | 20 | 97,940 | 10,966 | 109,357 | 9,731 | 60,693 | 3.17 | 1.86 |
| 2004 | 19 | 159,138 | 21,978 | 181,116 | 47,703 | 102,770 | 2.99 | 1.92 |
| 2005 | 29 | 172,965 | 53,826 | 226,916 | 90,981 | 92,451 | 3.19 | 2.17 |
| 2006 | 41 | 233,518 | 101,766 | 337,268 | 173,977 | 130,757 | 3.50 | 2.03 |
| 2007 | 46 | 310,330 | 202,519 | 517,684 | 238,018 | 237,209 | 3.37 | 2.22 |

¹ Prices equal shipment value divided by quantity shipped. Value includes charges for advertising and warranties. Excluded are excise taxes and the cost of freight or transportation for the shipments.

² Includes all types of photovoltaic cells and modules (single-crystal silicon, cast silicon, ribbon silicon, thin-film silicon, and concentrator silicon). Excludes cells and modules for space and satellite applications.

³ See "Peak Kilowatt" and "Peak Watt" in Glossary.

⁴ See "Nominal Dollars" in Glossary.

⁵ Data were imputed for one nonrespondent who exited the industry during 1990.

NA=Not available.

Note: Shipments data are for domestic and export shipments, and may include imports that subsequently were shipped to domestic or foreign customers.

Web Page: For related information, see <http://www.eia.doe.gov/fuelrenewable.html>.

Sources: • 1982-1992—Energy Information Administration (EIA), *Solar Collector Manufacturing Activity*, annual reports. • 1993-2002—EIA, *Renewable Energy Annual*, annual reports. • 2003-2006—EIA, *Solar Thermal and Photovoltaic Collector Manufacturing Activities*, annual reports. • 2007—EIA, *Solar Photovoltaic Cell/Module Manufacturing Activities 2007* (December 2008), Tables 3.1, 3.5, and 3.6.