

SolarWorld Sunmodule solar panels contribute points toward LEED certification

Including a SolarWorld Sunmodule photovoltaic (PV) system in the design of your home or commercial building can help towards achieving LEED Accreditation.



LEED FOR HOMES • TOTAL POSSIBLE POINTS: 13



Under the LEED for Homes Rating System, a SolarWorld Sunmodule PV system qualifies for points in the Energy & Atmosphere and Materials & Resources sections.

Energy & Atmosphere (EA)

There are two paths that can be followed to achieve points in this section. In the second path, a PV system can provide a maximum of 10 points as a Renewable Energy (EA 10). Under EA 10, a PV system can provide **1 point for every 3% of the annual reference electrical load reduced by the system.**

Reduction of the annual reference electrical load	LEED points awarded
3%	1
6%	2
9%	3
12%	4
15%	5
18%	6
21%	7
24%	8
27%	9
30%	10

The annual reference load is defined as the amount of electricity that a typical home would consume in a typical year. This load can be determined using the National Home Energy Rating Standards (HERS) Reference Home and using the procedures defined in the 2006 Mortgage Industry HERS Guidelines. For more information regarding HERS please visit their website at <http://www.energy.ca.gov/HERS/index.html>.

SolarWorld Sunmodule solar panels produce more kilowatt-hours per kw rating than any other PV modules on the market today. Therefore, SolarWorld Sunmodule solar panels will reduce the annual reference electric load more than other PV modules and contribute to more LEED points.

Materials & Resources (MR)



A key aspect to achieving LEED accreditation is managing construction waste and SolarWorld Sunmodule solar panels can help with this. All of the materials (cardboard, plastic stacking corners, pallet, etc.) used for packaging Sunmodule solar panels can be re-used and/or recycled which will help contribute to points in minimizing construction waste. The total amount of recyclable material includes:

- Cardboard is approximately 1.77 ft³
- 116 plastic corners

The total number of points that can be earned from reducing waste in section MR3 can be up to **3 points**.

SolarWorld Sunmodules are the best choice for gaining LEED accreditation due to:

- » SolarWorld's ability to produce more kilowatt-hours per kW rating which in turn will lower the overall annual reference electric load and the annual energy cost for the building more than any other PV module.
- » Our minimal packaging which can be recycled or re-used. This benefit will help to manage construction waste on the job site.