

U.S. RESIDENTIAL SOLAR PV FINANCING: The Vendor, Installer and Financier Landscape, 2013-2016, Shayle Kann, Vice President, Research | GTM Research

Third-party financing of solar PV has become the predominant business model in some of the largest residential markets in the U.S.; today, third-party financed residential installations comprise greater than 50% of new capacity in California, Arizona, Colorado and Massachusetts, with the model gaining greater market share in other states such as Connecticut, Delaware, Maryland, New Jersey, New York, Oregon, Texas, Vermont, and Washington.

Prior to 2010, there were few residential third-party ownership (TPO) vendors. SolarCity and Sunrun pioneered the residential thirdparty financing model, closely followed by Sungevity. SunPower entered not long after, offering residential leases through its enviable dealer network. Today, we count at least ten major TPO companies operating, and a number of others still getting off the ground. Each company has a unique business model; some have an in-house solar renewable energy credit (SREC) trading business, while others offer energy management services such as energy audits in addition to solar installations.

Lead-Gen	Sales	Financing	Installation		Module Supply	Active Markets
SolarCity	[©] SolarCity	SolarCity	SolarCity	SolarCity	Yingli • Kyocera • Trina	
SUNCUN + Installer Partners	Installer Partners	SUNTUN	Installer Partners E.g. Verengo • Roof Diagnostics • REC	รบกาบกั	Yingli • Trina • LG • Suntech and Others	
Installer Partners (W/ CPF Tools)	Installer Partners (W/ CPF Tools)	Clean Power § Finance For 3 rd Parties	Installer Partners E.g. Real Goods • Galkos	Clean Power / Finance	Canadian • Sharp • Suntech and Others	
vivint. Often Door-to-Door	vivint.	vivint. + Clean Power (Finance	vivint.	vivint.	Canadian • Trina • Yingli	
Constellation. BGE HOME ASTRUMSOLAR	Constellation.	Constellation.	ASTRUM SOLAR '	ASTRUM SOLAR	Hanwha • SolarWorld • Suntech	
SUNPOWER + Dealers	Dealers	SUNPOWER	Dealer Network E.g. Solar Service Center • Cobalt Power	SUNPOWER	SUNPOWER	
		SUNGEVITY	Through Subcontractors		Suntech • Motech • Hyundai	

GTM Research U.S. Residential Solar Finance Landscape Map

SOURCE: GTM RESEARCH

This 21-page report from GTM Research provides an integrated look at the vendors, installers and financiers addressing third-party residential markets across 13 U.S. states. The brief analyzes the leading vendors and their business models, the strategic relationships and market shares of third-part residential installers as well as the financiers that are capitalizing on the market. In addition, the brief examines the total addressable residential market in the U.S. with forecasts to 2016.



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What are the market shares of the leading residential thirdparty installers nationally?

What is the value of the residential solar financing market today and what will it be in the next five years?

Which investors are providing funds to vendors for residential solar PV leasing?

Companies Mentioned Include:

American Solar Direct | Astrum Solar | BGE | Blackstone Group Canadian Solar | Citi | Clean Power Finance | Cobalt Power Constellation | Credit Suisse | Energy Capital Partners | Galkos Goldman Sachs | Google | GRID Alternatives | Hanwha Solar Hyundai | Kyocera | LG | MorganStanley | Motech | NRG Solar OneRoof Energy | PetersenDean | PG&E | Q-Cells | Rabobank REC | REC Solar | Real Goods Solar | Roof Diagnostics | Sharp SolarCity | SolarWorld | Solar Monkey | Solar Service Center Sungevity | Sunpower | Sunrun | Suntech | Trina Solar | Trinity Heating and Air | U.S. Bancorp | Verengo Solar | Vivint | Yingli

CONCLUSIONS



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