



Presentation for CoreNet

By

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December 18, 2008

A silhouette of a runner in a starting block on a track is positioned in the lower-left corner of the slide. The background of the slide is a gradient of orange and red, with curved lines suggesting a track or a dynamic environment.

PerfectPower Inc.

- ✦ The Most Award Winning Solar Company in the North America
- ✦ The Only Solar Company to Win a Better Business Bureau Ethics Award
- ✦ Chamber Of Commerce, "Impact Award" Finalist
- ✦ Specialist In High Temperature Location Design



What's PV in Design All About?



- ✦ It's About Design Integration between PV Technology and the Project that Counts!

It Must Look Right or
Become Stealthy!!!



Functionality May Also Results in Dual Use: i.e. Daylighting or Shade



PERFECTPOWER NETWORK
We Mainstream Solar Technology

In Commercial Applications, Functionality is Very Important. PV Shade is Power!



Photo: Unipack / Patrick Benoit / 16.09.2008

PERFECTPOWER NETWORK
We Mainstream Solar Technology

In Commercial Applications, New Levels of Creativity are Attainable



First Solar High Rise In Arizona, Optima Biltmore Towers



Optima Biltmore Towers Solar Array by PerfectPower Inc.



Optima Biltmore Towers Solar Array by PerfectPower Inc.

Solar becomes an energy source, a design element, shade, and a statement of commitment to sustainability!



Dmytro Rockpointe, LEED Project, with an 18% Solar Contribution.



Dmytro Rockpointe, Sustainability "Walking the Walk" in Chandler.



Energy, Integration and Design Ease

Kanazawa Bus Terminal

Location: Kanazawa, Japan
 Completed: 2004
 Installed by: Taiyo Kogyo
 Power: 120kW
 Area: 3,000m²

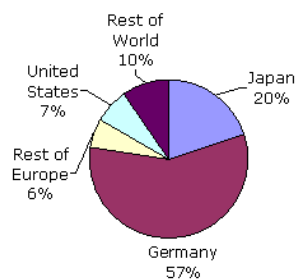


MSK
 Making solar work

PERFECTPOWER NETWORK
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The USA Shows Underwhelming Growth, New Upscale Commercial Can Change That

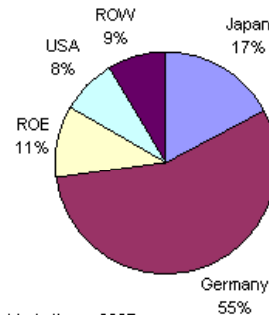
**PV Installations in 2005
 Regional Megawatt Breakdown**



TOTAL: 1,460 MW

Source: Solarbuzz LLC

**2006 PV Installations By Market
 Total: 1744 MW**

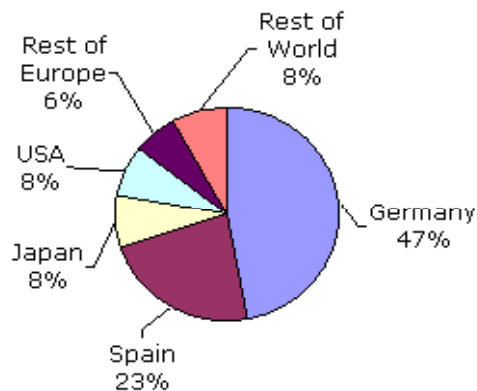


Source: Marketbuzz 2007

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Worldwide PV Market Grows by 62% in 2007, USA Market barely Keeps UP!

World Photovoltaic Market in 2007
2826 Megawatts



What Does Solar Electricity Cost?

The Answer Is: It Depends!!!

- Upon the Application
- Upon Type of System
- Quality of Installation
- From A Life Cycle



Perspective: PV Can Pay For Itself
At Least Five Times or more!!!

- You May Ask: Will PV Become Much
Less Expensive? Probably Not!



Benefits

- ✦ PV Is A Multi-Purpose Design Tool
- ✦ Gives Client Energy Control
- ✦ Replace Existing Sources of Energy
- ✦ Hedge Energy Costs
- ✦ Energy Security
- ✦ Energy Independence
- ✦ Exceptional Reliability
- ✦ Peace of Mind
- ✦ Personal or Business Image
- ✦ Utility Rebates & Tax Credits



Incentives-Utility Rebates and Credits

APS EPS Program

Single Payment Rebate:

\$3.00 per installed DC Watt residential

\$2.50 per installed DC watt commercial, limited to \$75,000, or...

Performance Based Incentive (PBI) Rebates

10, 15 and 20year programs which pay from \$0.18 to \$0.25 per kilowatt hours.

(Note: Most PV technologies will not get the full benefit with the 10-15 year programs.)



Incentives-Utility Rebates and Credits

SRP Buy Down

\$3.00 per installed DC Watt residential,
(\$60,000 rebate CAP).

\$2.50 per installed DC Watt commercial,
(\$500,000 rebate CAP).

Federal 30% Tax Credit !!!

Residential and Commercial-Unlimited
Commercial 5 year Accelerated Depreciation &
10% State Tax Credit Capped at \$25K

**No Arizona Sales Tax
on Systems!**



The Ideal Solar Electric System

- Designed for Desert Summer Heat!
- Simple Architecture - Stealthy Design:
(Architectural component or
completely hidden or invisible)
- Standard:
5 year bumper to bumper warranty:
(No hassle or cost to homeowner)
- Single Source: Turnkey Continuity
From Installation Through Complete
Life of System



Solar Electric System Finance

- ✦ Commercial Solar:
 - ✦ Pays for Itself in 3 to 10 Years
 - ✦ Positive Cash Flow with Financing
 - ✦ Creates Long Term Value for Project
 - ✦ Give You Operations Cost Control
 - ✦ Reduces Risk
 - ✦ Excellent Incentives

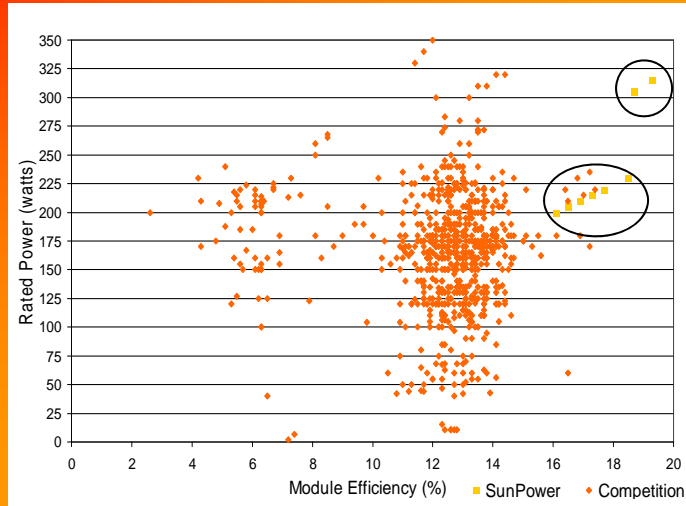


Finance Types

- ✦ Cash
 - Lowest Risk Great ROI
- ✦ Lease
 - Modest Risk with good ROI
- ✦ Finance (Bank or Private)
 - Modest Risk with good ROI
- ✦ Power Purchase Agreements (PPA)
 - High Risk, too many unknowns, great opportunity to Green Wash, low return on Investment
 - You sign away rights you do not know about
 - Get a good expensive lawyer



SunPower Panel Efficiency vs Competition

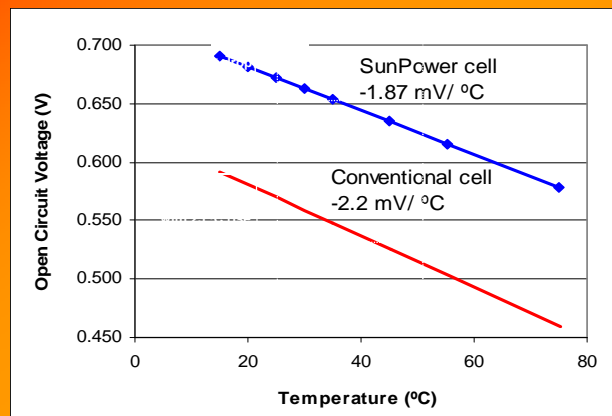


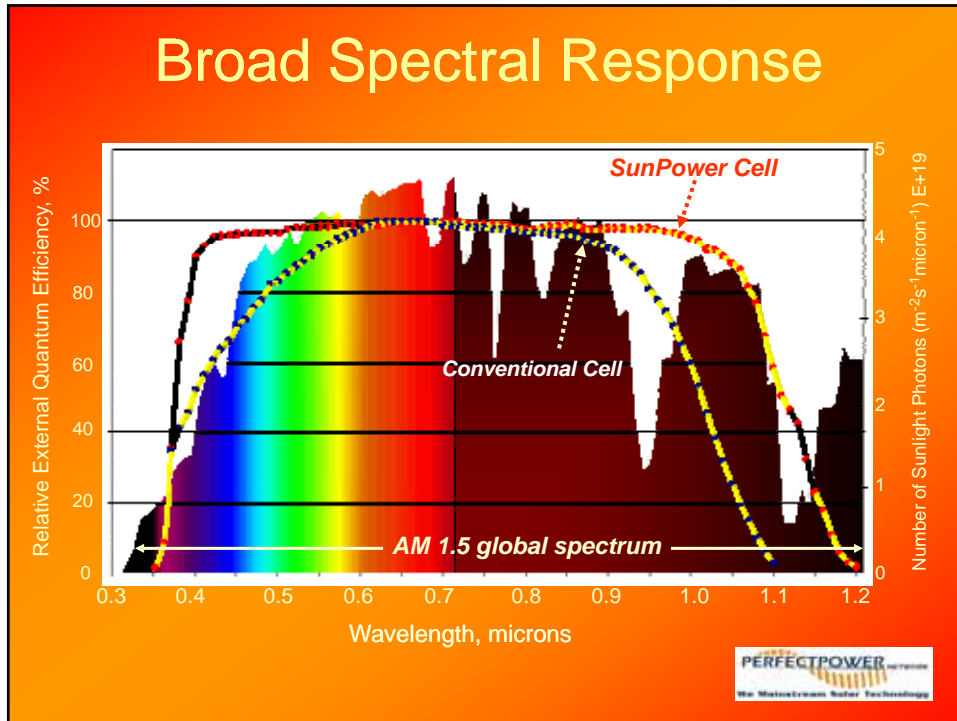
Photon Buyers Guide, February 2007

SunPower's R&D goal is to continue to improve efficiency and to maintain our relative efficiency advantage versus conventional technology

Lower Temperature Coefficients

Temperature coefficient of power: $-0.38\% / ^\circ\text{C}$
 Temperature coefficient of voltage: $-1.87\text{mV} / ^\circ\text{C}$





How can we work together?

