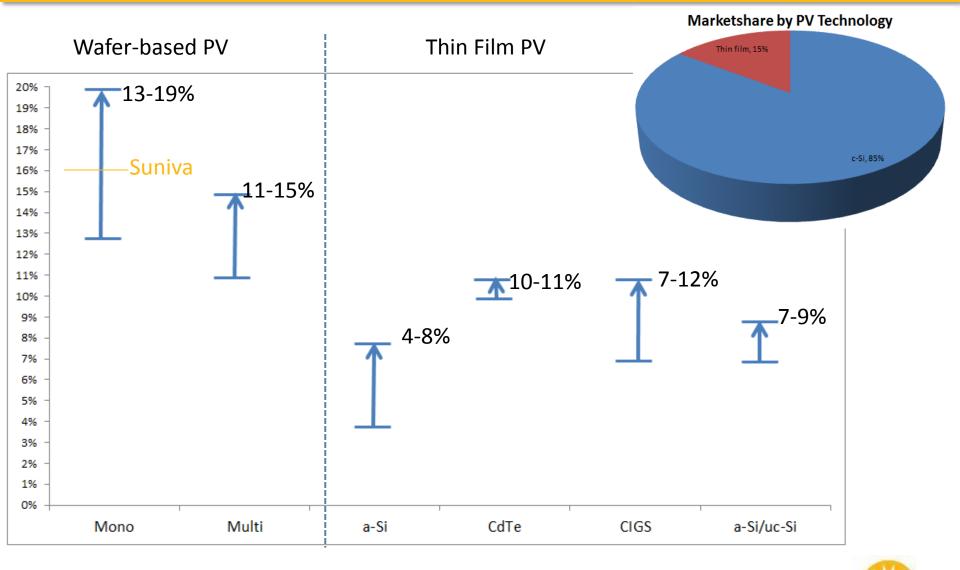
CURRENT INDUSTRY EFFICIENCIES OF DIFFERENT

PHOTOVOLTAIC TECHNOLOGY COMMERCIAL MODULES

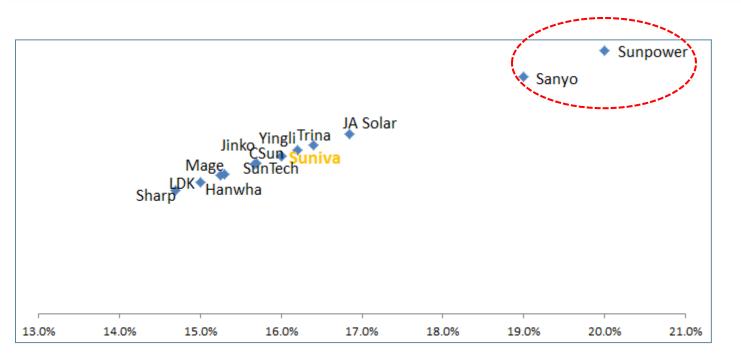


Note: In January 2012, First Solar broke the world record in CdTe technology with cell and module efficiency at 17.3 & 14.4% respectively. This jnformation is not included here because production at these efficiencies will not begin until 2015.

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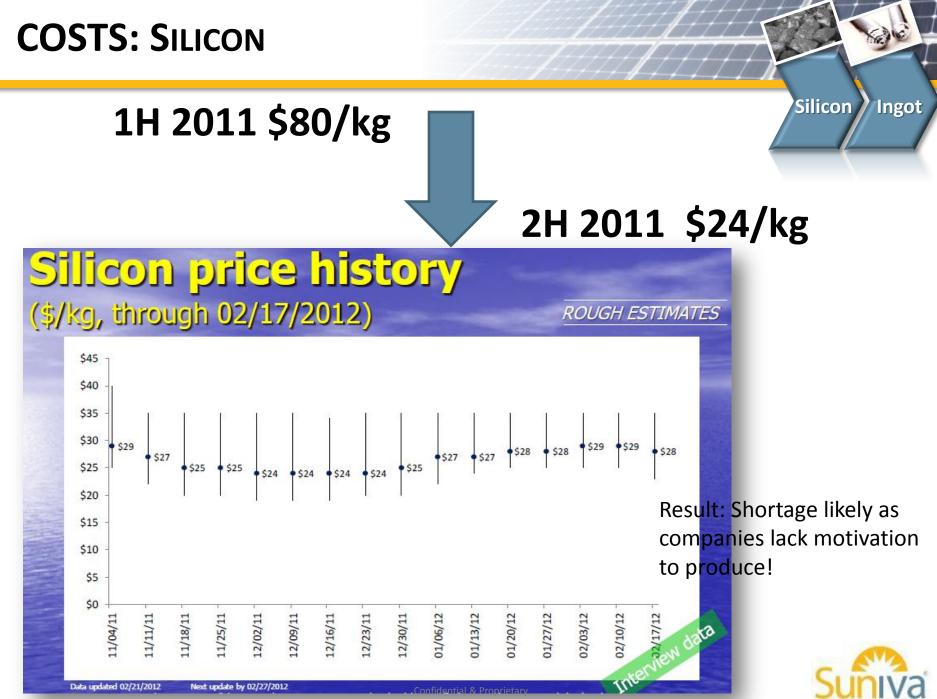
CURRENT INDUSTRY EFFICIENCIES OF MONO PV

TECHNOLOGY



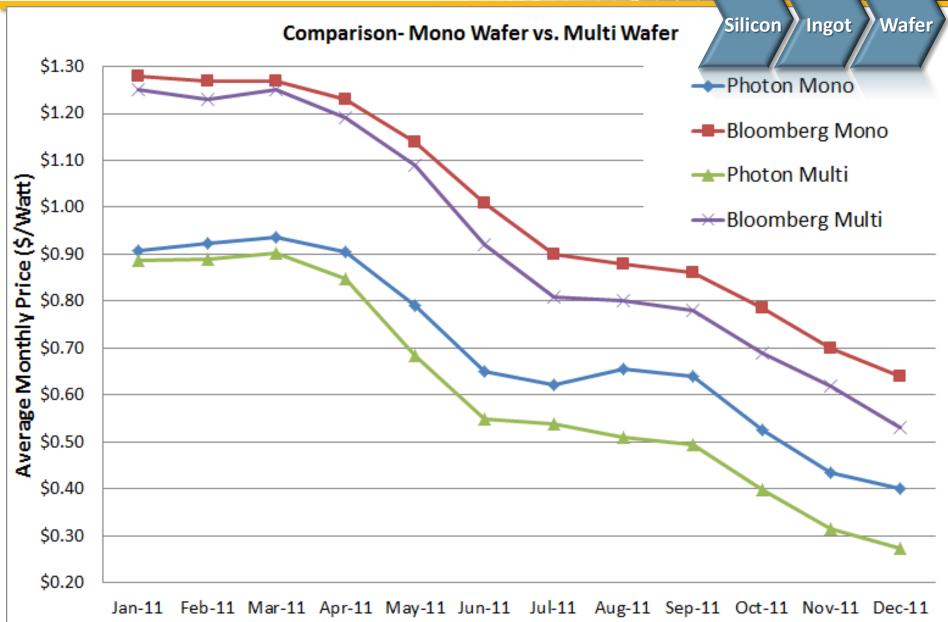
While technology differentiation is good, the winning strategy is technology combined with a low cost roadmap.





🖸 Suniva[®], Inc. 201

COSTS: WAFER



COSTS: CELL

1H 2011 \$1.28/watt

Silicon Ingot Wafer Cell

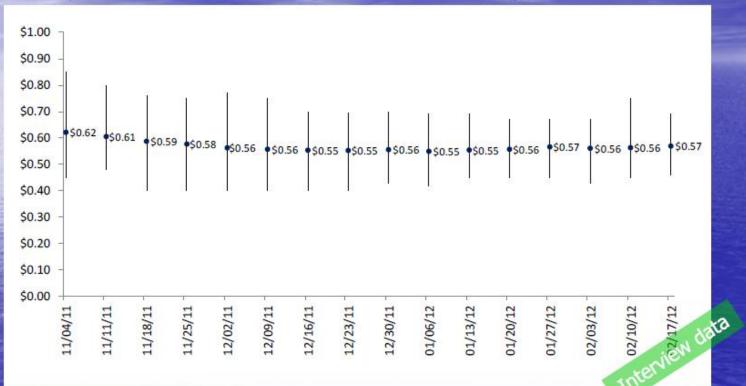
See and

2H 2011 \$0.55/watt

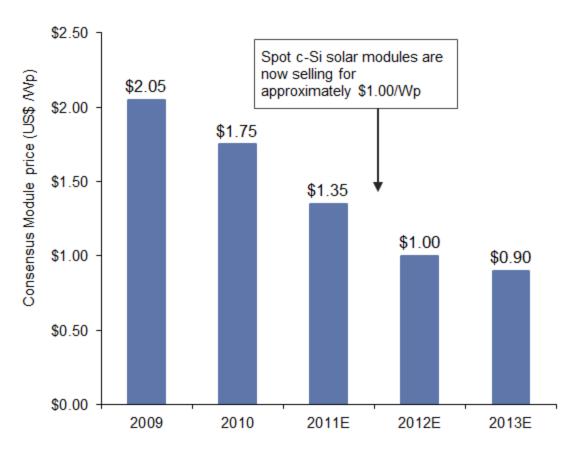
PRELIMINARY

Cell price history

(\$/W, spot market, through 02/17/2012)



MODULE ASPs



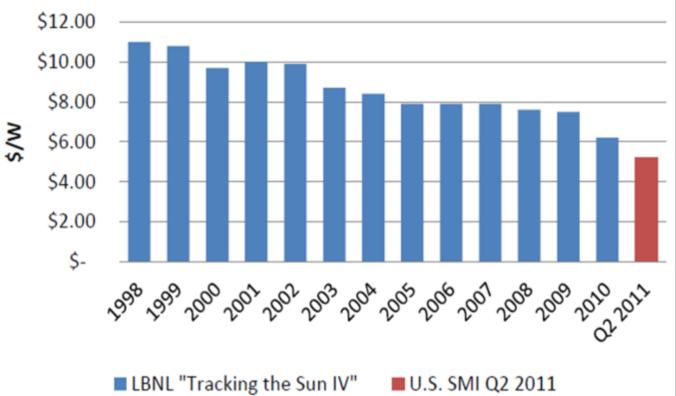
Due to aggressive capacity expansions, the industry is currently going through a supply-demand mismatch.

 Competitive pricing leads to Chinese
 Tier-2 crystalline PV modules prices
 dropping to
 US\$0.96/W



INSTALL COST IN THE U.S. MARKET

Average Installed Price of PV





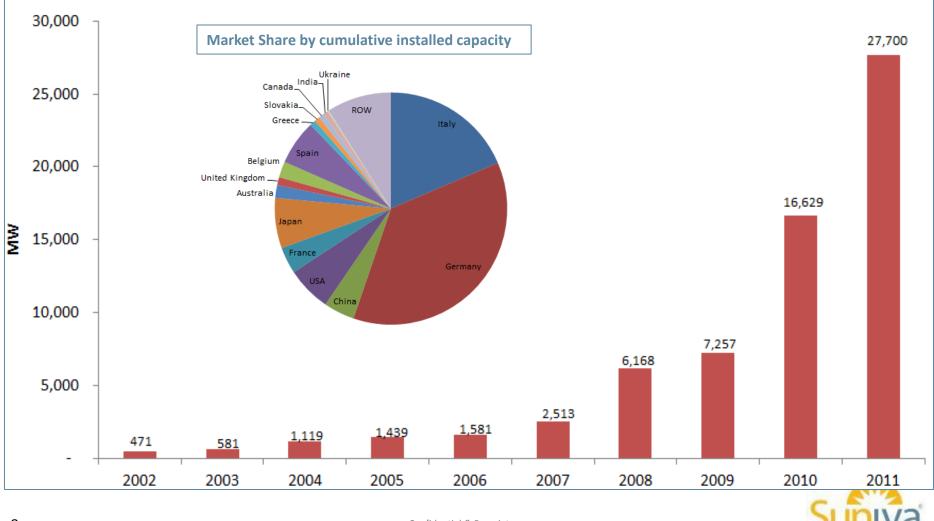
2011 saw significant decrease in install costs compared to 2010:

- Residential 3.6%
- Commercial 13.9%
- Utility scale 21%

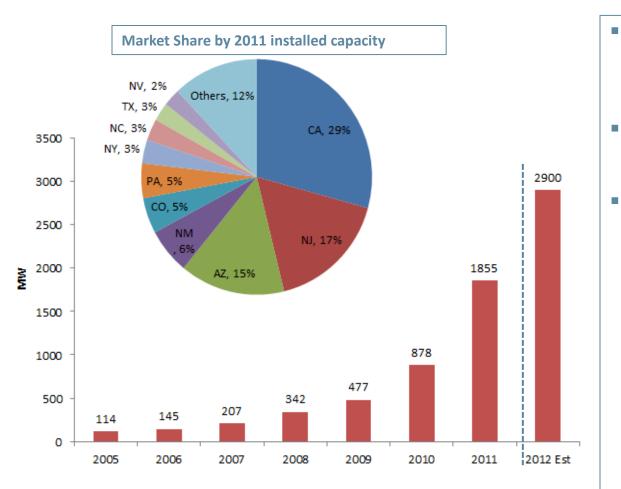


GLOBAL PV MARKET - INSTALLED CAPACITY & MARKET SHARE

Cumulative installed global capacity is at over 67.4 GW!



THE US MARKET - 2011 HIGHLIGHTS



- The US market finally passed the 1GW of PV installed in a year mark!
- PV installations grew 109% in 2011 over 2010.
- The dollar amount of project finance investments reached an all time high:
 - US Bancorp and Solarcity to fund 300MW to power military housing

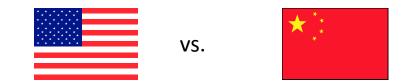
 this is expected to be the largest residential solar project in American history!
 - Other investors included: Warren Buffet's Berkshire Hathaway Inc. , Google, MetLife, John Hancock Life Insurance Company.

Solar is bankable!



THE US MARKET - 2011 LOWLIGHTS

- Expiration of US Cash Grant 1603 on Dec 31st 2011.
 - Expectations: 2013 (FY '13) U.S. budget provides for an extension of the U.S.
 Department of Treasury's Section 1603 program
- US-China trade: anti-dumping/countervailing duty petition against China and Chinese c-Si cell & module manufacturers (filed by Solarworld and 6 other US manufacturers in Oct 2011)
 - March 20, 2012 The Department of Commerce found that China has in fact unfairly subsidized its solar industry. The countervailing duties assigned to the Chinese solar vendors are as follows:
 - Trina 4.73 percent
 - Suntech 2.9 percent
 - All others 3.59 percent



The anti-dumping case will be determined in May 2012 and this may have a bigger impact than the CVD imposed.



GEORGIA PARTLY CLOUDY





HIGHLIGHTS:

- Introduction of Senate Bill 401 on Feb 7 2012
 - Bill will permit 3rd party PPAs
 - 3rd party ownership has propelled adoption of solar energy in the US and will open up the GA market.
- 2009 Public Service Commission ("PSC") voted unanimously to increase the cap placed on the amount of solar energy being used to generate electricity for the Georgia Power transmission grid. The cap was increased from 500 kW to 2.5 MWs

LOWLIGHTS:

- Mismatch between solar resource potential and installation
 - By 2010, total installed solar PV was less than 1MW (compared to NC which now claims about 3% of the US solar PV market share with 31MW installed in 2010)
- GA is among a handful of SE states without a Renewable Energy Portfolio Standard (RPS)
 - NC: 12.5% by 2015



Making high-quality, high-power solar cells and modules using U.S.-based technology at

affordable costs to address the world's energy needs

SUNIVA POWERS GEORGIA





90 kW rooftop installation on Georgia Tech's Clough Center Atlanta, Georgia (installation by Radiance Solar)



BUILD

1 MW grid-connected ground mount installation, Georgia's largest privately owned PV system

> Blairsville, Georgia (Installation by ESA Renewables)







29 kW installation on Legacy Properties in downtown

Atlanta, Georgia (Installation by Inman Solar)



1.2 MW canopy installation at MARTA's Laredo bus station (2nd largest solar canopy at a transit system in the US)

> Decatur, Georgia (Installation by New South Construction)



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