

PV Thin Film Industry Guidebook

- The ultimate compass to the PV thin film industry in fundamentally changing markets
- 2009 broad survey, updating of the decisive PV Thin Film Industry Analysis
- Current situation and sound future scenarios, based on more than 100 quantitative and qualitative interviews, conducted in 2009

PRODUCTS AND APPLICATIONS

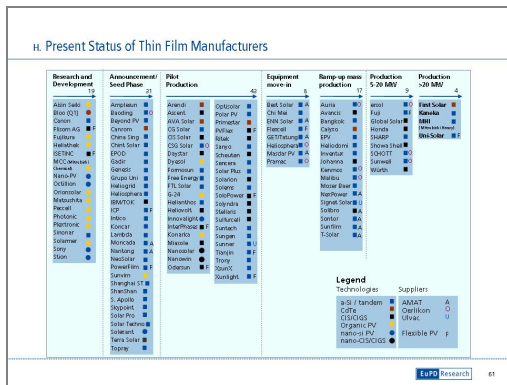


Analysis of the thin film product portfolio

To what extent are thin film technologies a substitute for the conventional crystalline modules? Which are the most promising technologies? What is the leeway for substantial product differentiations?

- Analysis of thin film technologies and applications
- Special focus on BIPV suitability
- Display of manufacturing processes and equipment suppliers

SUPPLIERS AND MANUFACTURERS

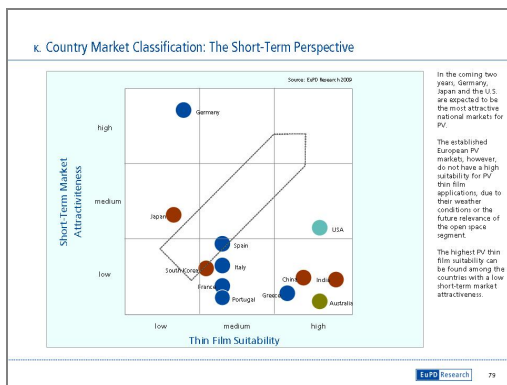


Supply side

Some 150 companies have announced plans to mass-produce photovoltaic thin film modules within the next years. But what is behind the ambitious announcements? Which companies are most likely to make the grade? And what is the role of turnkey suppliers?

- Mapping of all thin film manufacturers and entrants
- Listing of technology, development status, market share
- Identification of strategic groups
- Assessment of criteria for success

SALES AND FUTURE DEMAND



Demand side



The demand for PV products is rather sluggish at the moment, but can be expected to go on booming from 2010 on. But what are the most promising market segments for the different thin film technologies, and how will they develop in the long-term? And which national markets are the most promising ones?

- Analysis of the global top 10 markets for PV thin film
- Rating of thin film suitability for the national markets
- Thorough information on the PV market segments and their future development with regard to thin film

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Product Data Sheet

“PV Thin Film Industry Guidebook”

Release Date	Updated edition – November 2009
Information Sources	<ul style="list-style-type: none"> ▪ Quantitative survey of 41 thin film manufacturers carried out in 2009. ▪ Qualitative interviews with representatives from banks, investors, industry associations, research institutes and government agencies. ▪ Data retrieval from the EuPD Research database (more than 400 projects in the field of photovoltaics since 2003). ▪ Systematic desk research (media analysis, literature, industry portals).
Contents	<ol style="list-style-type: none"> 1.Database: Research Approach Information Sources Sample Description 2.Technologies: Operational Behavior Module Efficiencies Production Costs 3.Supply: Security of Supply Raw Material Prices Machinery Supplier 4.Manufacturer: Overview and Mapping of all Thin Film Manufacturers Awareness Rating Strategic Groups Impact of the Financial Crisis Thin Film Production Forecast per Technology and Region Thin Film Share 2008 – 2012 5.Prices: Current Price Trends Regional Thin Film Price Levels Cross Price Elasticity System Cost Structures 6.Distribution: Quantification of Distribution Channels Distribution Width and Depth of Thin Film Brands 7.Markets: Thin Film Market Segments World Market Overview per Region Matrix: Future Thin Film Markets <p>Appendix 1: Company Profile Sheets: First Solar, Kaneka, Mitsubishi Heavy Industries, Schott, Sharp, Showa Shell, Uni-Solar, Würth, Q-Cells</p> <p>Appendix 2: National Markets at a Glance: Germany, Spain, Italy, France, Greece, USA, California, China, India, Japan, South Korea, Australia</p>
Benefits for your Company	<ul style="list-style-type: none"> ▪ Get a comprehensive understanding of the PV thin film industry. ▪ Know what the market drivers say on the impact of credit crunch and economic crisis. ▪ Have all relevant information regarding PV thin film handy: products, suppliers, manufacturers, prices, and sales markets. ▪ Derive a successful company strategy, based on primary research and a thorough and independent analysis. ▪ Understand the factors for success for companies and investors.
Included in Delivery	2x chart report (150 pages), high quality binding
Price	€ 4,950 (excluding VAT and S/H)
Member benefits	SEMI members receive a 30 percent discount
	 
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