

Solar Cells and Modules: Market Research Report

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Abstracts

This report analyzes the worldwide markets for Solar Cells and Modules in US\$ Million.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East, and Latin America.

Annual estimates and forecasts are provided for the period 2009 through 2017.

Also, a six-year historic analysis is provided for these markets.

The report profiles 72 companies including many key and niche players such as BP Solar, Bosch Solar Energy AG, Canadian Solar Inc., EniPower S.p.A., First Solar, Inc., GE Energy, Gintech Energy Corporation, Global Solar Energy, Inc., Isofotón SA, JA Solar Holdings Co., Ltd., Kaneka Corporation, Kaneka Solartech Corporation, Kyocera Corporation, Mitsubishi Heavy Industries, Ltd., Photowatt International S.A.S, Q-Cells SE, SCHOTT Solar AG, Sharp Corporation, Sharp Electronics Corporation, SolarWorld AG, Suntech Power Holdings Co., Ltd., SunPower Corporation, Trina Solar Limited, and United Solar Ovonic LLC.

Market data and analytics are derived from primary and secondary research.

Company profiles are mostly extracted from URL research and reported select online sources.



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QuantaSol Rolls Out Single-Junction Solar Cell SANYO to Introduce High Output HIT-HD Solar Modules in Europe SunPower Launches SunPower® 315 Solar Panel Kyocera Unveils New KD Modules SunPower Unveils World's Most Efficient Solar Cell Mitsubishi Unveils Multicrystalline Si Solar Cell Peccel Unveils World's Largest Dye-sensitized Cell China Sunergy Unveils Selective Emitter Solar Cell Spire Plans to Launch an Integrated 25 MW Cell-Module

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JA Solar Holdings and MEMC Singapore Enter into Joint Venture Agreement XsunX and Telecomps Technology Ink Agreement Solar Fields Take Over Calyxo ITS to Acquire Minority Stake Module Production Plant of REC Solar GCL-Poly Energy to Acquire Controlling Stake in Konca Solar Cell Solarfun Power is Now Hanwha SolarOne LDK Solar to Establish Solar Cell and Module Plant Sulfurcell Commences New Facility Ubbink Commences Construction of Solar Unit Yamaichi Electronics to Manufacture Solar Panel Connectors GCL-Poly Energy Holdings to Establish Solar Power Projects in the US VentureTech to Buy Minority Stake in Stion Kyocera Solar Commences Production of Solar Modules in US BSP Signs Strategic Investment Agreement with PSP Suntech and Swinburne University Set Up Solar Facility in Melbourne Trina Solar Signs Research Agreement with SERIS Aide Solar Establishes Production Facility SunPower and Flextronics Collaborate to Manufacture Solar Panels Tata BP Solar Increases Production Capacity Delta Electronics to Enter Japan **CENTROSOLAR Adds New Production Line to Wismar Plant** BP Solar Shuts Down US Based Solar Cell Production Plant Natcore Technology to Take Over Vanguard Solar Sentinel Solar and SolGate Enter a New Business Alliance Sharp Commences Operation in New Facility Sulfurcell Solartechnik to Establish New Facility SunPower Snaps Up SunRay Voltaix to Build New Production Unit NREL Signs a Series of Research and Development Agreements with 3M Q-Cells Signs Agreement with Flextronics Motech to Set Up JV with Itogumi for Making PV Modules RENA and 1366 Technologies Partner to Deliver Enhanced Solar Cell Process Fidelis Energy Announces Solar Module Supply Contract with TinSol Energy Silex Systems Purchases Assets of Solar Systems China Sunergy Takes Over Two Solar Module Producers Alpha Omega Power and Chad Industries Partner to Comarket Products Yingli Enters PV Module Supply Agreement with SunDurance Energy Mitsubishi Electric Completes Construction of PV Cell Facility LDK Solar to Purchase Crystalline Module Production Plant of Best Solar



Calisolar Snaps Up 6N Silicon

P2i Teams Up with Energy Launch Partners for Solar Cells Coating Applications SunWell Solar to Construct Film Solar Cell Production Plant in Nanjing Bosch Solar Inks Non-Prime Crystalline Solar Cell Supply Deal with Innotech Kyocera to Provide 3MW Solar Modules to Omuta Solar Power Facility Solar EnerTech Inks Agreement with Aussie Solar Installations Suniva Plans to Form an Alliance with GS Battery BP Solar Inks Manufacturing Deal with Jabil Circuit EPOD Solar and ICP Solar Enters into Definitive Agreement First Solar Snaps Up EMG's Solar Projects Development Pipeline Panasonic to Invest in Sanyo's Solar Cell Operations Sharp to Enter in Two Joint Ventures Meyer Burger Merges with 3S Industries Motech Acquires GE's Solar Module Assembly Facility Panasonic Acquires SANYO Racell to Construct Solar Cell plant in Denmark Soitec Forays into Solar Energy Sector through the Acquisition Concentrix Tokuyama to Manufacture Solar Cell Components Suniva® and Titan Energy Systems Conclude Collaborative Project ATS to Manufacture Solar Modules with Photowatt Canadian Solar to Establish a 200MW Module Manufacturing Facility MEMC Takes Over SunEdison NRG Solar Acquires Blythe Solar Project CIC Acquires 20% Stake in GCL-Poly Energy Delta Greentech Announces Take Over of US Solar Cell Manufacturer **CSP** Acquires ThinSilicon Applied Materials Takes Over Advent Solar Suniva Partners with FLS Energy Acro Energy Takes Over EE Solar Sengu Announces Plans to Commence Operations in the New Solar Cell Factory UMC to Set Up Solar Cell Plant in Shandong Province ENN Group Plans to form JV with Duke Energy Signet Solar and BSC-Solar Embark on Joint Development of 1.8MW Solar Plant Bridgestone Announces Plans to Establish a New Solar Cell Films Factory NexPower Expands Production Capacity of Thin Film Solar Cells Spire Setups Indian Subsidiary to Distribute Solar Modules and Systems PSEG Solar and juwi solar Collaborate for three Major Solar Projects of 29.2 MW DuPont Teams Up with Applied Materials to Increase PV Cell Efficiency Kaneka Enters into Alliance with IMEC for Developing Solar Cells



Showa Shell Announces Plans to Set Up a Solar Cell Plant in Miyazaki Prefecture First Solar Announces Plans to Establish 2 GW Solar Power Plant in China Hoang Sa Secures Central Province Approval for Construction of Solar Cell Plant ECP Merges with SIT TNDF to Acquire 25% Stake in PV Next GCL-Poly Acquires Jiangsu Zhongneng DELTA to Teams Up with Scheuten for Solar Energy Joint Venture Solar Semiconductor to Establish New Solar Cell Plant Ellis Energy Snaps Up Pyron Solar GCL-Poly Announces Plans to Acquire Polysilicon Supplier Jiangsu Silex Systems Announces Acquisition of Assets of SOP Sunfilm to Merge Operations with Sontor Solar Thin Films to Take Over BudaSolar Technologies Prism Solar Technologies Acquires Manufacturing Facility in New York Suniva to Supply Solar Cells to Jacoby's Aerotropolis Atlanta STPL to Establish New Solar Farm with 5MW Capacity Kyocera to Expand Solar Module Capacity Roth & Rau Acquires CTF Solar GmbH GroSolar to Acquire Borrego Solar Systems' Residential Installation Businesses Akeena Solar Partners with Enphase Energy SANYO forms ENEOS Solar with Nippon Solar Thin Films to Take Over Algatec Solar Kyocera to Establish a New Solar Cell Manufacturing Plant Hague Merges with Solterra LG Electronics to Start Two Solar Cell Production Lines ICP Solar to Takeover Ibersolar Energía, S.A.

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Evolution Solar Snaps Up Synergy Design and Development SunPower Takes Over Solar Sales Wincroft Takes Over Apollo Solar Energy Tokyo Ohka Partners with IBM for New Solar Cells Production Technology BEL and BHEL Ink MoU to Form JV for Solar PV Business Solon Announces Acquisition of 16% Stake in SpectraWatt Q-Cells to Construct Solar Cells Facility Suntech Takes Over MSK Corp. Bosch Forays into PV Market through ersol Solar Acquisition Centrotherm Takes Over GP Solar



Solar Thin Films Buys 15% Stake in CG Solar Applied Materials Takes Over Baccini Borevind Buys 65% Stake in Gallivare PhotoVoltaic Solar Thin Films Acquires Stakes in CG Solar Applied Materials Completes Baccini Acquisition Quantum Fuel Systems Acquires Equity Interest in ASOLA Centrotherm photovoltaics AG to Acquire GP Solar Suntech Power Acquires Minority Stake in Nitol Solar WorldWater & Solar Technologies Merges with ENTECH Sunvim Group to Form Joint Venture with Aleo Solar SolarTec Inks Joint Venture Agreement with Sumec and Other Companies Sharp Corp to Set Up Joint Venture with Tokyo Electron EPIR and Sunovia to Collaborate with The Swiss Federal Institute ersol Thin Film Collaborates with SCHOTT Synova Joins Research Alliance for Solar Energy Systems Mitsubishi to Expand PV Module and Cell Manufacturing Capacity Quantum Fuel Systems and Asola to Expand Solar Module Plant Capacity Evergreen Solar to Commence Production Capacity Expansion Webel to Expand PV Production Capacity Q-Cells Extends Agreement with aleo solar AG Akeena Inks production partnership with Kyocera Recurrent Energy Enters into Agreements with Solar Module Suppliers SunPower Inks Two Agreements in Saudi Arabia Suntech Power Supplies Solar Modules to Belgium's Town Hall Sharp Corporation to Establish a Thin-Film Solar Cell Facility in Japan SunPower to Establish Fabrication Facility for Solar Cells **Global Opens New Production Facility** SCHOTT Breaks Ground for New Mexico Facility Q-Cells to Set Up New Plant in Malaysia SolarWorld AG to Establish a Solar Module Unit Sunfilm AG to Establish Second Applied SunFab Thin Film Line NanoPV to Commence Operations of Its Solar Cell Plant in New Jersey SunPower Acquires Solar Solutions GE Energy Acquires Majority Stake in PrimeStar Solar

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BP Solar (UK) Bosch Solar Energy AG (Germany)



Canadian Solar Inc. (Canada) EniPower S.p.A. (Italy) First Solar, Inc. (US) GE Energy (US) Gintech Energy Corporation (Taiwan) Global Solar Energy, Inc (US) Hanwha SolarOne Co., Ltd. (China) Isofotón SA (Spain) JA Solar Holdings Co., Ltd. (China) Kaneka Corporation (Japan) Kaneka Solartech Corporation (Japan) Kyocera Corporation (Japan) Mitsubishi Heavy Industries, Ltd (Japan) Photowatt International S.A.S (France) Q-Cells SE (Germany) SCHOTT Solar AG (Germany) Sharp Corporation (Japan) Sharp Electronics Corporation (US) SolarWorld AG (Germany) Suntech Power Holdings Co., Ltd. (China) SunPower Corporation (US) Trina Solar Limited (China) United Solar Ovonic LLC (US)

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COMPETITIVE LANDSCAPE

Total Companies Profiled: 72 (including Divisions/Subsidiaries - 87) Region/CountryPlayers The United States Canada Japan Europe France Germany The United Kingdom Italy Spain Rest of Europe Asia-Pacific (Excluding Japan) Latin America Middle-East



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