

Commercial and Industrial Gate and Door Opener Market Shares, Strategies, and Forecasts, Worldwide, 2011 to 2017

<https://marketpublishers.com/r/C3869665539EN.html>

Date: September 2011

Pages: 215

Price: US\$ 3,600.00 (Single User License)

ID: C3869665539EN

Abstracts

WinterGreen Research announces that it has a new study on Commercial and Industrial Gate and Door Opener Market Shares and Forecasts, Worldwide, 2011-2017. The 2011 study has 215 pages, 80 tables and figures. Commercial and Industrial Gate and Door Openers are evolving more sophisticated feature function packages and provide better security in a world that has moved to value security.

The commercial and industrial door and gate opener industry has seen a launch of dynamic new openers. Innovation is core to the market growth of the industry. Companies participating in the market do an incredible amount of research, development, and testing before they are able to introduce a new product. DC operation for operators has been evolving and one would think that solar driven systems will follow shortly. New systems are able to power down when they are not being used so as to decrease the power draw occurring when the operator is not in use.

Designs are undertaken by market research that includes but is not limited to an exhaustive consumer research study. Extensive fact gathering missions involve spending the blood, sweat, and tears in cranking out design and performance parameters. The research conducted by Genie revealed features needed by homeowners and builders alike.

According to Susan Eustis, lead author of the study, 'high quality and performance, strength, sound, and many safety and convenience features are desired in the market. Direct drive screw, belt, and chain drive systems have these features in next generation products. Next generation product offerings take the market to an all-new level.'

Commercial and Industrial Gate and Door Opener Markets at \$1.95 billion in 2010 are anticipated to reach \$2.95 billion by 2017. Market growth will track the commercial building and manufacturing new construction and refurbishing markets. With anemic economic growth, refurbishing of existing buildings will account for much of the growth.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, Bloomberg, and Thompson Financial.

Contents

CONCENTRATING SOLAR POWER (CSP) SOLAR EXECUTIVE SUMMARY

Concentrating Solar Power (CSP) Solar Market Driving Forces
Utilities Can Add Concentrated Solar Power Systems Incrementally
Worldwide Demand For Energy
US, Chinese, and European Solar Companies
Impact of High Solar Irradiance
Forces Driving Investment in Solar Energy
Concentrating Solar Power Market Shares
Concentrated Solar Market Forecasts

1. CONCENTRATING SOLAR POWER (CSP) MARKET DESCRIPTION AND MARKET DYNAMICS

- 1.1 Sun Abundant Source Of Energy
 - 1.1.1 Solar Energy From the Sun
- 1.2 Power From the Sun
 - 1.2.1 Solar Energy Supports Worldwide Demand For Electricity
 - 1.2.2 The Solar Solution
- 1.3 Solar Industry Key Drivers
 - 1.3.1 Demand Driven By The Availability Of Government Economic Incentives
 - 1.3.2 Government Incentives for Solar Power:
 - 1.3.3 Solar Energy Benefits
- 1.4 Concentrating Solar Power (CSP) Technologies
- 1.5 Sunlight Intensity in Various Regions
 - 1.5.1 Average Solar Irradiance
 - 1.5.2 Global Solar Resources for PV Photovoltaic and CSP Technologies
 - 1.5.3 Sunshine Index
 - 1.5.4 Economics of PV
- 1.6 Solar Technology
 - 1.6.1 Cost-Competitive Solar
- 1.7 Utility Power Positioning
 - 1.7.1 Utility Solar Decision Making
- 1.8 Smart Electric Grid Overhaul: Utility
 - 1.8.1 IBM Smart Grid
 - 1.8.2 U.S. Electric Grid Needs Major Overhaul: Utility
- 1.9 Competition and Advanced PV Technologies

- 1.10 Era Of Cheap Energy
 - 1.10.1 Unprecedented Level Of Development Worldwide
 - 1.10.2 Population Increases
- 1.11 Tackling Climate Change
 - 1.11.1 Greenhouse Gases

2. CONCENTRATING SOLAR POWER (CSP) SOLAR MARKET SHARES AND FORECASTS

- 2.1 Concentrating Solar Power (CSP) Solar Market Driving Forces
 - 2.1.1 Utilities Can Add Concentrated Solar Power Systems Incrementally
 - 2.1.2 Worldwide Demand For Energy
 - 2.1.3 US, Chinese, and European Solar Companies
 - 2.1.4 Impact of High Solar Irradiance
 - 2.1.5 Forces Driving Investment in Solar Energy
- 2.2 Concentrating Solar Power Market Shares
 - 2.2.1 Abengoa Solar Commercializes High-Concentration Photovoltaic System
 - 2.2.2 SolFocus
 - 2.2.3 Acciona
 - 2.2.4 Solar Millennium –
 - 2.2.5 Solar Millennium
 - 2.2.6 Areva
 - 2.2.7 Areva/Ausra
 - 2.2.8 Alstom
 - 2.2.9 BrightSource Ivanpah
 - 2.2.10 BrightSource Hidden Hills Economic Benefits
 - 2.2.11 Brightsource Energy -
 - 2.2.12 eSolar Concentrated Solar Thermal
 - 2.2.13 eSolar/Google
 - 2.2.14 GE to Invest \$40 Million in eSolar
 - 2.2.15 eSolar and GE
 - 2.2.16 Siemens
 - 2.2.17 Siemens/Solel
 - 2.2.18 Boeing/Spectrolab
 - 2.2.19 Boeing/SpectroLab
 - 2.2.20 Solar Reserve Partnered With United Technologies
 - 2.2.21 SolarReserve
 - 2.2.22 Schott
 - 2.2.23 Amonix Financial Flexibility For Utilities Adds Solar Power Systems

Incrementally As They Become Needed

2.2.24 Clark Energy Group

2.2.25 Solaflect Energy

2.2.26 Amonix Utility Solar Resources

2.2.27 Masdar Operates Through Five Integrated Units

2.2.28 Masdar PV Production Capacity at Ichtershausen

2.2.29 Masdar PV

2.2.30 Masdar PV Thin-Film Photovoltaics

2.2.31 Masdar PV and Beck Energy Open-Space Solar Park In Germany

2.2.32 ET Solar Grid Connection of a 2.9MW Power Plant in Germany

2.2.33 Beijing Jingyuntong Technology

2.2.34 Companies Offering Fresnel Lens Systems

2.3 Concentrated Solar Market Forecasts

2.3.1 Concentrated Solar Power CSP

2.4 Developing Technologies: Concentrators

2.4.1 Solar Energy Cost-Of-Electricity Analysis

2.4.2 Concentrated Solar Thermal - Segment

2.4.3 Concentrating Solar Power Glass Discussion

2.4.4 Concentrated Solar Power Plants

2.4.5 Concentrating Solar Energy Market Forecast Analysis

2.4.6 Solar-Thermal Power Plant Technology:

2.5 Molten Salt Solar Utility Scale Energy Market Forecast

2.6 Solar Steam Generators

2.6.1 Parabolic Dish Stirling Solar Collectors

2.6.2 Solar Power Tower

2.7 Renewable Energy Growth

2.7.1 Buildings & Solar

2.8 Solar Market Opportunity

2.9 Solar Power Markets

2.9.1 Solar Power Market Shares

2.9.2 Solar Market Forecasts

2.9.3 Grid Parity

2.9.4 Impact of Oil Price on Solar Industry

2.9.5 Outlook for Solar Electricity

2.9.6 Solar Electricity Storage: Thin Film Batteries Complement The Hydrogen

Manufacture

2.10 Solar Industry Segment Demand 2.11 Global Solar Resources

2.12 Solar Market Installed Capacity

2.12.1 PV Countries 2010

- 2.12.2 PV Installations by Technology
- 2.12.3 PV Installations by Application and Country
- 2.13 Solar Regional Market Segments
 - 2.13.1 United States Solar Market
 - 2.13.2 Germany, Italy, Spain, France, the United States, Canada, China, India, and Australia provide FiT, Rebates, Tax Incentives, And Other Incentives Subsidies
 - 2.13.3 Australia: Solar Market
 - 2.13.4 China: Solar Market
 - 2.13.5 China's Insatiable Demand For Energy
 - 2.13.6 Environmental Concerns Continue To Mount
 - 2.13.7 Chinese Concerns About Power Reliability And Energy Security
 - 2.13.8 China's Energy Policies Are Focused On Fostering Energy And Environmental Conservation
 - 2.13.9 India: Solar Market

3 CONCENTRATING SOLAR POWER (CSP)

- 3.1 Heliostats
- 3.2 Abengoa SA
 - 3.2.1 Abengoa Solar Commercial Operation of Solnova
 - 3.2.2 Abengoa Solar Concentrating Solar Power
 - 3.2.3 Abengoa Solar Power Tower
 - 3.2.4 Abengoa Solar Operating Scheme For Tower Technology
 - 3.2.5 Abengoa Solar Hybridation and Storage
 - 3.2.6 Abengoa Solar Land Requirement For 20 MW Plants
 - 3.2.7 Abengoa Solar ISCC (Integrated Solar Combined Cycle)
 - 3.2.8 Abengoa Large Scale Solar Plants
- 3.3 eSolar
 - 3.3.1 eSolar/Google
 - 3.3.2 eSolar Technology
 - 3.3.3 eSolar Products
 - 3.3.4 eSolar Startup in the US Solar Technology Market
- 3.4 Google Solar Thermal Plant
- 3.5 BrightSource Energy
 - 3.5.1 BrightSource. Energy/Luz
 - 3.5.2 Brightsource Energy \$1.4 Billion In Loan Guarantees From U.S. Department Of Energy
 - 3.5.3 BrightSource Energy Ivanpah Project
 - 3.5.4 BrightSource Energy Luz Power Tower 550 (LPT 550) Technology
 - 3.5.5 Brightsource Energy Reduced Footprint Mitigation For Ivanpah Solar Electric

Generating System

- 3.5.6 BrightSource Energy Mirrors
- 3.5.7 BrightSource Energy Heliostats
- 3.5.8 BrightSource Energy Heliostat Control System
- 3.5.9 BrightSource Energy Tower and Boiler
- 3.5.10 BrightSource Energy Power Block

3.6 Schott

- 3.6.1 Schott Parabolic Receivers Schott Powered Thermal Parabolic Trough Power

3.7 Areva/Ausra

- 3.7.1 Areva Strategy
- 3.7.2 Ausra

3.8 Ausra

- 3.8.1 Ausra Compact Linear Fresnel Reflector (CLFR)

3.9 Acciona

- 3.9.1 Acciona

3.10 Concentrating Photovoltaic Systems

3.11 Amonix

- 3.11.1 Thermax Limited Partners With Amonix
- 3.11.2 Amonix Manufacturing Facility
- 3.11.3 Amonix Solar Power Distributed Utility Model
- 3.11.4 Amonix Financial Flexibility For Utilities: Power Systems Added Incrementally

As Needed

- 3.11.5 Amonix/Thermax

3.12 Entech Solar Energy Hybrid

- 3.12.1 Entech Collimating Skylight Overview
- 3.12.2 Entech Inexpensive Fresnel Lenses
- 3.12.3 Entech Collimating Skylight Overview
- 3.12.4 Entech Solar SolarVolt Module

3.13 Fresnel Lens Systems

3.14 Soitec Group/Concentrix Solar

- 3.14.1 Soitec Concentrix Technology

3.15 Green and Gold Energy/SolarCube

3.16 Emcore

- 3.16.1 Emcore Supplies Concentrator Solar Cells from Green and Gold Energy
- 3.16.2 EMCORE Acquires Soliant Energy

3.17 Parabolic Dish Stirling Engine

3.18 Stirling Energy Systems

- 3.18.1 Stirling Energy Systems
- 3.18.2 Stirling Energy Systems SunCatcher

- 3.18.3 Stirling Energy Systems SunCatcher Technology
- 3.18.4 Stirling Energy Systems SunCatcher
- 3.19 Infinia
 - 3.19.1 Infinia Powerdish
 - 3.19.2 Infinia PowerDish
- 3.20 SOL3G
 - 3.20.1 SOL3G M40 module
 - 3.20.2 SOL3G Gira-Sol System GS700
- 3.21 Solergy
 - 4.1.1 Solergy Cogen CPV
 - 4.1.2 Solergy Solar PV/Concentrated
- 3.22 SolFocus
 - 3.22.1 SolFocus CPV Systems
- 3.23 Pacific SolarTech
 - 3.23.1 Pacific SolarTech MicroPV TM Concentrator Photovoltaic Modules
- 3.24 Whitfield Solar
 - 3.24.1 Whitfield Solar System Solar Panel Two-axis Tracker
- 3.25 Prism Solar Technologies
 - 4.1.3 Prism Solar Modules
 - 3.25.1 Prism Solar Technologies Dual Aperture Aspect
- 3.26 EMCORE Concentrator Photovoltaic Arrays (CPV) Solar Power Solutions
 - 3.26.1 Emcore's Multi- Junction Solar Cell Technology Adapted to Terrestrial Power Generation
 - 3.26.2 Emcore/Soliant/Heliotube
- 3.27 ZenithSolar Concentrated
 - 3.27.1 Z20 Solar Energy Generator
- 3.28 Sunrgi Concentrated Photovoltaic System
 - 3.28.1 SUNRGI
 - 3.28.2 Sunrgi Technology
- 3.29 CoolEarth Solar
 - 3.29.1 CoolEarth Solar Concentrators Focus the Sun
 - 3.29.2 CoolEarth Solar Support System
 - 3.29.3 CoolEarth Solar Balloon Technology
- 3.30 GreenVolt
 - 3.30.1 GreenVolt Scalable, Reliable, High Performance Solar
- 3.31 Lateral Aperture Solar Design
- 3.32 Maxxun
 - 3.32.1 Maxxun PV Cell
- 3.33 Stellaris

- 3.33.1 Stellaris ClearPower Modules
- 3.34 Sol Solution
- 3.35 H2Go
- 3.36 Sunengy Liquid Solar Array
 - 3.36.1 Sunengy Liquid Solar Array LSA Technology
 - 3.36.2 Energy Innovations
 - 4.1.4 Energy Innovations Technology
 - 3.36.3 Energy Innovations Advanced Optical Design
 - 3.36.4 Energy Innovations Triple Junction Cells
 - 3.36.5 Energy Innovations 2-Axis Tracking
 - 3.36.6 Energy Innovations Built-in Performance Monitoring
 - 3.36.7 Energy Innovations Low-Profile Design
 - 3.36.8 Energy Innovations Ease of Installation
 - 3.36.9 Energy Innovations Lowest Installed Cost
 - 3.36.10 Energy Innovations Micro-Converter Technology
- 3.37 Pythagoras Solar
 - 4.1.5 Photovoltaic Glass Unit (PVGU)
- 3.38 SVV Technology Innovations
 - 3.38.1 SVV Technology Ring - Array Solar Concentrator
 - 3.38.2 SVV Technology Slat - Array Solar Concentrator (SAC)
- 3.39 Solaflect Energy
 - 3.39.1 Solaflect Energy Hot Water or Electricity
 - 3.39.2 Solaflect Energy Hot Water
 - 3.39.3 Solaflect Energy Electricity
- 3.40 Concentrating Thermal Systems
- 3.41 AORA 4.1.6 AORA Technology
- 3.42 Beam Down Solar
- 3.43 BrightSource
 - 3.43.1 BrightSource Ivanpah
 - 3.43.2 BrightSource Energy Solar Energy Development Center
 - 3.43.3 BrightSource Energy Hidden Hills
- 3.44 Solargenix
 - 3.44.1 Solargenix Nevada Solar One, a 64-Megawatt (MW) Solar Electric Power Plant Project
- 3.45 Solucar
- 3.46 Sopogy
- 3.47 Biomass/Solar Concentrated
- 3.48 Andersen Manufacturing
- 3.49 Spain Plugs In World's Largest Solar Tower

- 3.50 Parabolic Trough Technology
 - 3.50.1 Abengoa Solar Parabolic Trough
 - 3.50.2 Abengoa Solar Concentrating Solar Power Requirements
- 3.51 Flagsol
- 3.52 SkyFuel
- 3.53 HelioDynamics
- 3.54 Practical Solar
- 3.55 GreenShift'
- 3.56 Menova Energy
- 3.57 AXT
- 3.58 AzurSpace
- 3.59 Boeing/SpectroLab
 - 3.59.1 Spectrolab
 - 3.59.2 Boeing Satellite Solar-Cell Technology
- 3.60 Spire Semiconductor, LLC
- 3.61 Masdar PV
 - 3.61.1 Masdar PV Modules Amorphous Modules
 - 3.61.2 Masdar PV Micromorph Modules
- 3.62 Solar Thermal
- 3.63 Solar Millennium –
 - 3.63.1 Solar Millennium Salts To Replace Oil In Parabolic Trough Power Plants
- 3.64 Intersolar North America
- 3.65 United Technologies
 - 3.65.1 United Technologies/Hamilton Sundstrand/SolarReserve
 - 3.65.2 United Technologies Hamilton Sundstrand Unit
 - 3.65.3 United Technologies Hamilton Sundstrand
 - 3.65.4 United Technologies/Hamilton Sundstrand/SolarReserve Power Towers
 - 3.65.5 United Technologies/Hamilton Sundstrand/SolarReserve
 - 3.65.6 United Technologies/Hamilton Sundstrand/SolarReserve
 - 3.65.7 United Technologies/Hamilton Sundstrand/SolarReserve
 - 3.65.8 Rocketdyne/SolarReserve
 - 3.65.9 Solar Thermal With Molten Salt Energy Storage: SolarReserve Heads to Nevada
 - 3.65.10 Solar Reserve Partnered With United Technologies
- 3.66 Siemens Energy Sector/Renewable Energy Division
 - 3.66.1 Siemens Solar-Thermal Power Plant
 - 3.66.2 Siemens Global Market Leader For Turbines In Solar Thermal Parabolic Trough Power Plants
 - 3.66.3 Siemens Solar-Thermal Power Plant: Putting the Desert to Use

3.66.4 Siemens 123-MW Steam Turbine-Generator For Solar Thermal Power Plant In California

3.66.5 Siemens Solar Efficiency

3.66.6 Siemens Next-Generation Solar UVAC Receiver Increases Thermal Output Of Power Plants

3.66.7 Siemens

3.67 Asahi Glass

3.67.1 Asahi Glass Flexible Solar Cells

3.68 GE

3.69 Hitachi

3.70 Solar Thermal Water Heating Units

3.70.1 Zing Solar Water Heating

3.70.2 Vajra Plus Solar Water Heating

3.70.3 Hotmax Nova Solar Heating

3.70.4 TATA BP Solar Business Energy

3.71 Daqo New Energy Solar Module

3.72 Dyesol DSC Applications Designs In BIPV

3.73 JinkoSolar Value Chain

3.73.1 JinkoSolar Product Traceability Control

3.73.2 JinkoSolar High Efficiency Modules

3.73.3 JinkoSolar High Efficiency Cells

3.73.4 JinkoSolar High Quality Wafers

3.73.5 JinkoSolar Advanced Technology

4. CONCENTRATING SOLAR SYSTEMS STRATEGY, TECHNOLOGY, AND APPLICATIONS

4.1 Types of PV Systems

4.2 Concentrating Solar Power

4.3 Solar Reflectors

4.3.1 Semiconductors Absorb Light

4.3.2 How Solar Energy Works

4.3.3 Connecting to the Grid:

4.3.4 SunEdison's Approach:

4.3.5 Solar Electricity

4.4 Entech Solar Collimator Technology

4.5 CSP Used To Produce Electricity

4.5.1 Parabolic Trough

4.5.2 Solar-Thermal Power Plant Technology:

- 4.6 Parabolic Dish Stirling Solar Collectors
- 4.7 Solar Power Tower
- 4.8 Fresnel Lenses
 - 4.8.1 Fresnel Reflectors
- 4.9 Pacific Solartech Concentrator Photovoltaic Modules Technology
- 4.10 BrightSource Energy LPT Solar Thermal Energy System
 - 4.10.1 BrightSource's LPT solar thermal system Heliostats
 - 4.10.2 BrightSource Solar Receiver (Boiler)
 - 4.10.3 BrightSource Storage
 - 4.10.4 BrightSource Technology

5. CONCENTRATING SOLAR ENERGY COMPANY PROFILES

- 5.1 Abengoa Solar
 - 5.1.1 Abengoa Solana: The World's Largest Solar Plant
 - 5.1.2 Abengoa Solar
 - 5.1.3 Abengoa Solar Concentrating Solar Power
 - 5.1.4 Abengoa Solar Photovoltaic
 - 5.1.5 Abengoa Solar Customized Industrial and Commercial Applications
 - 5.1.6 Abengoa Research and Development of Solar Technology
 - 5.1.7 Abengoa Solar Commercializes High-Concentration Photovoltaic System
 - 5.1.8 Joint Venture Between Masdar (60%), Total (20%) and Abengoa (20%) Shams-1 Solar Project
 - 5.1.9 Abengoa
 - 5.1.10 Abengoa and Climate Change
- 5.2 Acciona Solar Power
 - 5.2.1 Acciona Sustainability
 - 5.2.2 Acciona U.S. Projects
 - 5.2.3 Acciona Canadian Projects
 - 5.2.4 Acciona Energa, s.a. –
 - 5.2.5 Acciona World Leader In Renewables
 - 5.2.6 Acciona (Navarre, Spain)
 - 5.2.7 Ten Entities Finance Acciona's Eurus Windpark In Mexico With Usd375m
 - 5.2.8 Acciona Energy Wind Parks in Mexico
 - 5.2.9 Acciona And Dharma Energy Sign An Agreement To Develop 250 Mw Of Photovoltaic Power In France
 - 5.2.10 Acciona Financial Information
 - 5.2.11 Acciona2009 Revenue Results
 - 5.2.12 Acciona Business strategy

- 5.2.13 Acciona Project Development
- 5.2.14 Acciona Exploitation And Sale Of Power
- 5.2.15 Acciona Wind Energy
- 5.2.16 Acciona Production
- 5.2.17 Acciona Photovoltaic
- 5.2.18 Acciona Other Facilities
- 5.2.19 Acciona Solar Thermal Power
- 5.2.20 Acciona Four Plants in Spain
- 5.2.21 Acciona Installations for Customers
- 5.2.22 Acciona Hydropower
- 5.3 Andersen Manufacturing
- 5.4 Applied Materials
 - 5.4.1 Applied Materials Segment Analysis
 - 5.4.2 Applied Materials Silicon Segment
 - 5.4.3 Applied Three-Dimensional (3D) ICs
 - 5.4.4 Applied Materials Deposition
 - 5.4.5 Applied Materials Atomic Layer Deposition
 - 5.4.6 Applied Materials Chemical Vapor Deposition
 - 5.4.7 Applied Materials Applied Producer CVD Platform
 - 5.4.8 Applied Materials Low k Dielectric Films —
 - 5.4.9 Applied Materials Lithography-Enabling Solutions
 - 5.4.10 Applied Materials Gap Fill Films —
 - 5.4.11 Applied Materials Strain Engineering Solutions
 - 5.4.12 Applied Materials Epitaxial Deposition
 - 5.4.13 Applied Materials Polysilicon Deposition —
 - 5.4.14 Applied Materials Tungsten Deposition —
 - 5.4.15 Applied Materials Physical Vapor Deposition
 - 5.4.16 Applied Materials Etch
 - 5.4.17 Applied Materials Rapid Thermal Processing
 - 5.4.18 Applied Materials Chemical Mechanical Planarization
 - 5.4.19 Applied Materials Metrology and Wafer Inspection
 - 5.4.20 Applied Materials Critical Dimension and Defect Review Scanning Electron Microscopes (CD-SEMs and DR-SEMs)
 - 5.4.21 Applied Materials Wafer Inspection
 - 5.4.22 Applied Materials Mask Making
 - 5.4.23 Applied Materials Display Segment
 - 5.4.24 Applied Global Services Segment
 - 5.4.25 Applied Materials Fab Services —
 - 5.4.26 Applied Films Vacuum Coating Technologies

- 5.4.27 Applied Materials Energy and Environmental Solutions Segment
- 5.5 AORA 5.5.1 AORA (formerly EDIG Solar) Belongs To The EDIG Group Of Companies
- 5.6 Areva/Ausra
 - 5.6.1 AREVA Leads Global Nuclear Power Industry
 - 5.6.2 Areva Ranked First In The Global Nuclear Power Industry
 - 5.6.3 Areva/Ausra
 - 5.6.4 Areva Group
 - 5.6.5 An Organization Combining Operational Decentralization And Global Coordination
 - 5.6.6 Areva Power Generation With Less Carbon Solutions
 - 5.6.7 Areva Fundamentals Of A World Leader In Energy
 - 5.6.8 AREVA Key Figures for 2010
 - 5.6.9 AREVA Group
 - 5.6.10 AREVA Mining-Front End Business Groups – One Of The Leaders In Its Field
 - 5.6.11 AREVA Reactors and Services, Number 1 in the World
 - 5.6.12 AREVA Back End Activities, A Major Technological And Industrial Advance
 - 5.6.13 Renewable Energy, a Major Challenge
 - 5.6.14 Revenue
- 5.7 Asahi Glass Co Ltd
 - 5.7.1 Asahi Glass Fuel Cell
 - 5.7.2 Asahi Glass Fuel Cells Close To Practical Use
 - 5.7.3 Asahi Glass Fuel Cells In Daily Life In 2010
 - 5.7.4 Asahi Glass Chemicals Business as Core Business to the AGC Group
 - 5.7.5 Asahi Glass ETFE Film With High Transparency And Flexibility
 - 5.7.6 AGC Asahi Glass Revenue
 - 5.7.7 Asahi Glass Revenue
- 5.8 AZUR SPACE Solar Power
- 5.9 Battelle
- 5.10 BrightSource Energy
 - 5.10.1 BrightSource. Energy/Luz
 - 5.10.2 BrightSource Energy \$1.4 billion In Loan Guarantees From The U.S. Department of Energy
 - 5.10.3 BrightSource Energy Ivanpah Project: Clean Energy, Union Jobs, Environmentally-Responsible
 - 5.10.4 BrightSource Energy Luz Power Tower 550 (LPT 550) Technology
 - 5.10.5 Brightsource Energy \$150 Million Of Equity Financing
 - 5.10.6 BrightSource Energy
 - 5.10.7 BrightSource Investors

- 5.10.8 BrightSource Energy Hiddens Hills Solar Electric Generating System
- 5.10.9 BrightSource Hidden Hills Economic Benefits
- 5.11 Boeing
 - 5.11.1 Boeing 787 Dreamliner
 - 5.11.2 Boeing 787 Dreamliner Performance
 - 5.11.3 Boeing Advanced Technology
 - 5.11.4 Boeing Participation In Commercial Jet Aircraft Market
 - 5.11.5 Boeing Participation In Defense Industry Jet Aircraft Market
 - 5.11.6 Boeing Defense, Space & Security
 - 5.11.7 Boeing Advanced Military Aircraft:
 - 5.11.8 Boeing Military Aircraft
 - 5.11.9 Boeing Continuing Progress
 - 5.11.10 Boeing-iRobot Team Receives New SUGV Task Order From US Army
 - 5.11.11 Boeing Company/ Spectrolab,
- 5.12 Cool Earth Solar
 - 5.12.1 Cool Earth Solar Expands Operations
- 5.13 Corning
 - 5.13.1 Corning Display Technologies Segment
 - 5.13.2 Corning Revenue
 - 5.13.3 Corning Display Technologies Segment
 - 5.13.4 Corning Telecommunications Segment
 - 5.13.5 Corning Environmental Technologies Segment
 - 5.13.6 Corning Specialty Materials Segment
 - 5.13.7 Corning Life Sciences Segment
- 5.14 Directed Vapor Technology
 - 5.14.1 Directed Vapor Deposition Next Generation Coating Technology
- 5.15 du Pont
 - 5.15.1 DuPont
 - 5.15.2 DuPont Kapton
 - 5.15.3 DuPont Kapton Polyimide Films
 - 5.15.4 DuPont Teonex
- 5.16 Emcore
 - 5.16.1 Fiber Optics
 - 5.16.2 Cable Television (CATV) and Fiber-To-The-Premise (FTTP) Networks
 - 5.16.3 Telecommunications Networks
 - 5.16.4 Data Communications Networks
 - 5.16.5 Satellite Communications Networks
 - 5.16.6 Storage Area Networks
 - 5.16.7 Emcore Defense and Homeland Security

- 5.16.8 Photovoltaics: EMCORE Photovoltaics and Solar Power
- 5.16.9 Emcore Acquires CPV Soliant
- 5.17 Energy Innovations
- 5.18 WorldWater & Solar Technologies/Entech Solar
 - 5.18.1 WorldWater & Solar Technologies/Entech
 - 5.18.2 Entech Solar Certification of Daylighting Product
 - 5.18.3 Energy Focus/Entech Solar Commercial Skylighting Distribution Agreement
- 5.19 eSolar
 - 5.19.1 eSolar Investors
 - 5.19.2 GE to Invest \$40 Million in eSolar
 - 5.19.3 eSolar Awards
- 5.20 ET Solar
 - 5.20.1 ET Solar Corporate Vision
 - 5.20.2 ET Solar Modules Adopted in a UK Commercial Rooftop Project
 - 5.20.3 ET Solar/Zep Compatible Modules for Rooftop PV Systems
 - 5.20.4 ET Solar Grid Connection of a 2.9MW Power Plant in Germany
- 5.21 GE Energy
 - 5.21.1 GE Steam Turbines to Boost Output, Efficiency of Saudi Electricity Company's Qurayyah Power Plant
 - 5.21.2 GE Emissions Testing Team Becomes Early Adopter of Future EPA Standards
 - 5.21.3 GE Smart Grid Technologies Transform Ireland's Energy
- 5.22 Green and Gold Energy/SunCube International Group (SCIG)
- 5.23 GreenVolts
 - 5.23.1 GreenVolts Global Cleantech 100 Clean Technology Company
- 5.24 Hitachi
 - 5.24.1 Hitachi America
 - 5.24.2 Hitachi America, Ltd. Focusing On Smart Grid Energy Storage for Solar Farms
 - 5.24.3 Hitachi Long Life Lead Acid Batteries
- 5.25 Infinia
- 5.26 Mubadala/Masdar
 - 5.26.1 Masdar Operates Through Five Integrated Units
 - 5.26.2 Masdar PV
 - 5.26.3 Masdar Initiative
 - 5.26.4 Masdar PV Production Capacity at Ichtshausen
 - 5.26.5 Masdar PV and Raabvill Kft. Build Solar Parks With Full Size Modules
 - 5.26.6 Masdar PV and Beck Energy Open-Space Solar Park In Germany
- 5.27 Pacific Solar Tech
- 5.28 Prism Solar Technologies
- 5.29 Pythagoras Solar

- 5.29.1 Prism Solar Technologies BIPV
- 5.29.2 Pythagoras Solar Solution
- 5.30 Schott
 - 5.30.1 Schott Electronic Packaging GmbH
 - 5.30.2 Schott AgFlat Glass
 - 5.30.3 Schott Technological Competence
 - 5.30.4 SCHOTT Solar Global presence
 - 5.30.5 SCHOTT Solar Photovoltaics (PV) Business Division
 - 5.30.6 SCHOTT Solar 2008 – Hospital Ward In Senegal
 - 5.30.7 SCHOTT Light for Tanzania
 - 5.30.8 SCHOTT Solar PV and Consolidated Solar Technologies Inaugurate Photovoltaic Solar Installation at Moriarty High School
 - 5.30.9 SCHOTT Solar Black Frame Modules
 - 5.30.10 SCHOTT Solar comes out on top in PV+ Test Conducted by Solarpraxis and TUV Rheinland
- 5.31 SEIA
- 5.32 Siemens
 - 5.32.1 Siemens Business Areas
 - 5.32.2 Siemens Steam Turbine-Generator to England – Delivery Scheduled In 13 Months
 - 5.32.3 Siemens Energy Sector
 - 5.32.4 Siemens/Solel
 - 5.32.5 Siemens Wind Power A/S –
 - 5.32.6 Siemens Fossil Power Generation
 - 5.32.7 Siemens Renewable Energy Revenue and Orders
 - 5.32.8 Siemens Regional Revenue
 - 5.32.9 Siemens Revenue
 - 5.32.10 Siemens' Worldwide Network
- 5.33 Sol3G
- 5.34 Solaflect Energy
 - 5.34.1 Solargenix Energy, LLC
 - 5.34.2 Solaflect Energy Non-Tracking Evacuated Tube Collectors
 - 5.34.3 Solaflect Energy Solar Trough Power Plants
 - 5.34.4 Solaflect Energy Desalination
- 5.35 Solergy
 - 5.35.1 Solergy Building Integrated CPV (BICPV) Solution for Greenhouses And To Cultivate Roses
- 5.36 SolFocus
 - 5.36.1 SolFocus CPV System Leverages Panel Technology and Optimizes Large-Scale Deployments

- 5.36.2 SolFocus
- 5.36.3 SolFocus Low Lifecycle Greenhouse Gas Intensity
- 5.36.4 No Water Consumption
- 5.36.5 SolFocus Less Disruption of the Land and Local Ecosystem
- 5.36.6 CPV technology:
- 5.36.7 SolFocus Partners with Bechtel to Deliver Renewable Power for California
- Agribusiness
- 5.36.8 SolFocus and Vision Electro Mechanical Company to Build the Largest Solar Power Plant of its Kind in Saudi Arabia
- 5.37 Solitec/Concentrix Solar
 - 5.37.1 Soitec Concentrix Technology
- 5.38 Solar Millennium
 - 5.38.1 Solar Millennium Revenue First Half Of The Fiscal Year
 - 5.38.2 Solar Millennium AG: Solar-Thermal Power Plant Technology
- 5.39 Solyndra Shut The Doors To Its California Headquarters
 - 5.39.1 Solyndra: The Rooftop Solar Leader
- 5.40 Sol Solutions
- 5.41 Stellaris
- 5.42 Stirling Energy Systems
 - 5.42.1 Stirling Energy Systems SunCatcher™ Technology
- 5.43 Sunengy Liquid Solar Array
- 5.44 Sunrgi
- 5.45 SVV Technology Innovations
- 5.46 Trans-Mediterranean Renewable Energy Cooperation (TREC)
 - 5.46.1 TREC-UK
- 5.47 United Technologies/SolarReserve
 - 5.47.1 United Technologies
 - 5.47.2 United Technologies/Hamilton Sundstrand
 - 5.47.3 Hamilton Sundstrand Technologically Advanced Aerospace And Industrial Products
 - 5.47.4 United Technologies Revenue
- 5.48 Whitfield Solar
 - 5.48.1 Whitfield CPV- The Power To Progress
- 5.49 Whole Energy Solar
- 5.50 Zenith Solar
 - 5.50.1 ZenithSolar Values
 - 5.50.2 ZenithSolar Strengths
 - 5.50.3 ZenithSolar to Build Two 10 MW CHP Solar Stations in Gansu, China
- 5.51 Three US Solar Companies Go Bankrupt

List Of Tables

LIST OF TABLES AND FIGURES

Table ES-1 Solar Market Growth Key Factors Driving Demand Figure ES-2 Average Solar Irradiance

Table ES-3 Forces Driving Investment in Concentrating Solar Energy

Figure ES-4 Concentrating Solar Market Shares, Dollars, Worldwide, 2010

Figure ES-5 Concentrated Solar Power Market Forecasts, Worldwide, Dollars, 2011-2017

Figure 1-1 Global Primary Energy Scenario

Table 1-2 Solar Fosters Energy Independence

Figure 1-3 Solar Panel Azimuth Angle and Magnetic Declination

Figure 1-4 Average Solar Irradiance

Figure 1-5 Global Solar Resources for PV Photovoltaic and CSP Technologies

Figure 1-6 Regional Power Output Levels Per kw Of Generation Using GE Solar Electric Power Systems

Figure 1-7 Map of Solar Electricity Potential In Europe

Figure 1-8 Sunshine Index, U.S.

Figure 1-9 US Average Daily Solar Energy Received By A Latitude Tilt Photovoltaic Cell

Table 1-10 Sustainable Solar Energy Market Aspects

Figure 1-11 Driving Forces for Climate Change

Table 1-12 International Energy Agency Forecasts for 2030

Table 1-13 Importance of Energy Management

Table 2-1 Solar Market Growth Key Factors Driving Demand Figure 2-2 Average Solar Irradiance

Table 2-3 Forces Driving Investment in Concentrating Solar Energy

Figure 2-4 Concentrating Solar Market Shares, Dollars, Worldwide, 2010

Table 2-5 Concentrating Solar Energy Market Shares, Dollars, Worldwide, 2010

Table 2-6 Solargenix Energy, LLC Nevada One

Figure 2-7 Concentrated Solar Power Market Forecasts, Worldwide, Dollars, 2011-2017

Table 2-8 Concentrated Solar Market Forecasts, Dollars and Megawatts, Worldwide, 2011-2017

Figure 2-9 Concentrating Solar Power

Figure 2-10 Parabolic Trough CSP System

Figure 2-11 Molten Salt Storage Receiver Market Forecasts Dollars, Worldwide, 2010-2016

Table 2-12 Solar Power Thermal Market Shipment Forecasts, Molten Salt Storage Units and Dollars, Worldwide, 2010-2016

Table 2-13 Solar Power Thermal Market Shipment Forecasts, Molten Salt Storage Units, Worldwide, 2010-2016

Table 2-14 Solar BIPV Advantages:

Table 2-15 Solar Panel Megawatts Shipped Market Shares, Worldwide, 2009 and 2010

Figure 2-16 Solar Panel and Systems Market Shares, Dollars, 2010

Table 2-17 Solar Energy Market Shares, Dollars, Worldwide, 2010

Figure 2-18 Solar Panel and Systems Markets Forecasts Dollars, Worldwide, 2011-2017

Table 2-19 Solar Crystalline Silicon, Thin Film, Concentrated Power Market Segments, Dollars, Worldwide, 2011-2017

Table 2-20 Solar Market Segments MegaWatts, Worldwide, 2011-2017

Figure 2-21 First Solar Module Roadmap to Grid Parity

Table 2-22 Solar Crystalline Silicon, Thin Film, Concentrated Power Market Segments, Percent, Worldwide, 2011-2017

Figure 2-23 Solar Industry Dollars to Megawatts Ratio, Worldwide, Forecasts, 2010-2017

Figure 2-24 Solar Industry Dollars to Megawatts Ratio, Forecasts, 2010-2017

Table 2-25 Solar Market Segments MegaWatts and Dollars Comparison, Worldwide, 2011-2017

Table 2-26 Electrical Storage Mechanisms

Figure 2-27 Global Solar Resources for PV Photovoltaic and CSP Technologies

Table 2-28 Solar Panel and Systems Regional Market Segments, 2010

Table 2-29 Risks Related to Doing Business in China

Figure 3-1 Abengoa SA Solar Positioning

Figure 3-2 Abengoa SA Solar Parabolic Trough

Figure 3-3 Abengoa SA Solar Parabolic Trough ISCC

Figure 3-4 Abengoa SA Solar Parabolic Trough

Figure 3-5 Abengoa SA Solar Parabolic

Figure 3-6 Abengoa Solar Radiation Concentration

Figure 3-7 Abengoa Solar Concentrating Power

Figure 3-8 Abengoa Solar Tower Systems Create A Heliostat Field Comprised Of Movable Mirrors

Table 3-9 Abengoa Solar Operating Scheme For Tower Technology

Figure 3-10 Abengoa Solar Towers

Table 3-11 Abengoa Solar Tower Technology Plant Requirements

Figure 3-12 Abengoa Solar Tower Technology

Figure 3-13 Abengoa Solar Land Requirements

Table 3-14 Abengoa Solar Solar Tower Basic Requirements

Figure 3-15 Abengoa Solar Independent Projects

Figure 3-16 BrightSource Energy Mirrors
Figure 3-17 BrightSource Energy Heliostats
Figure 3-18 BrightSource Energy Heliostat Control System
Table 3-19 BrightSource Energy Control System Functions
Table 3-20 BrightSource Energy Control System Conditions Controlled
Figure 3-21 BrightSource Energy Tower and Boiler
Figure 3-22 BrightSource Energy Power Block
Table 3-23 SCHOTT POLY PV Modules Key Advantages:
Table 3-24 Ausra Rows Of Mirrors Advantages
Figure 3-25 Ausra Mirror Reflectors
Figure 3-26 Ausra Long Rows of Fresnel Reflector Mirrors
Figure 3-27 Acciona Solar Power
Figure 3-28 Acciona Solar Power Modules
Figure 3-29 Acciona Solar Mirrors
Figure 3-30 Amonix Utility CPV Module Pods
Table 3-31 Entech Modules
Figure 3-32 Entech Solar Energy Hybrid Tubular Skylight Lighting
Figure 3-33 Entech Solar Concentrator
Table 3-34 Entech Solar Concentrator Benefits:
Table 3-35 Soitec Solar Energy Solutions Advantages
Figure 3-36 Green and Gold Energy/SolarCube
Table 3-37 Green and Gold Energy SolarCube Power Generation
Figure 3-38 Solient To Leverage EMCORE's Highly-Efficient Solar
Figure 3-39 Emcore Concentrating Solar Specifications
Figure 3-40 Emcore Concentrating Solar
Figure 3-41 Stirling Energy Systems Suncatcher Mirror and Power Conversion
Figure 3-42 Stirling Energy Systems Suncatcher
Figure 3-43 Stirling Energy Systems Dish Engine
Figure 3-44 SOL3G M40 Module
Figure 3-45 SOL3G Gira-Sol System
Table 3-46 Solergy CPV Unique Attributes:
Table 3-47 Solergy Cogen CPV Variety Of Applications
Figure 3-48 SolFocus CPV Systems
Table 3-49 SolFocus CPV Power Unit
Table 3-50 SolFocus CPV Panel
Table 3-51 SolFocus Dual Axis Tracker
Table 3-52 SolFocus CPV System Benefits
Figure 3-53 Pacific SolarTech
Table 3-54 Pacific SolarTech MicroPV Concentrator Photovoltaic Module Benefits

Table 3-55 Whitfield Solar System Functions

Table 3-56 Whitfield Solar Concentrator Solution Target Markets

Table 3-57 Whitfield Solar Concentrator Solution Positioning

Table 3-58 Whitfield Solar System Solar Panel Two-Axis Tracker

Table 3-59 Whitfield Solar System Frame

Table 3-60 Whitfield Solar System Power Troughs

Table 3-61 Whitfield Solar System Mounting System

Table 3-62 Whitfield Solar System Mounting System

Figure 3-63 Prism Solar Technologies Modules

Figure 3-64 Emcore Lens Solar Concentration

Figure 3-65 Emcore Multi-Junction Solar Cell

Figure 3-66 Z20 Solar Concentrator CHP Solar Energy Generator

Table 3-67 Combined Heat and Power (CHP) Generation Benefits

Table 3-68 Combined Heat and Power (CHP) Generation Features

Table 3-69 Combined Heat and Power (CHP) Generation Applications

Figure 3-70 Zenith Solar Device Concentrates The Light A Thousand Times

Table 3-71 Sunrgi Solar Concentrator Functions

Figure 3-72 CoolEarth Solar Inflated, Balloon-Shaped Concentrators

Table 3-73 GreenVolt Concentrated Solar Functions

Figure 3-74 Sunengy Liquid Solar Array LSA Technology

Figure 3-75 Energy Innovations Sunflower

Table 3-76 Energy Innovations Sunflower Systems Functions

Table 3-77 Energy Innovations Sunflower Systems Features

Table 3-78 Energy Innovations Sunflower Systems Functions, Micro-Converter
Technology Performance Monitoring High Concentration

Figure 3-79 Pythagoras Solar PVGU Reflectors

Table 3-80 Pythagoras Solar PVGU Features & Benefits

Figure 3-81 SVV Technology Ring - Array Solar Concentrator

Figure 3-82 SVV Technology Slat - Array Solar Concentrator (SAC)

Table 3-83 Solaflect Energy Hot Water Features

Figure 3-84 Solaflect Energy Hot Water System

Figure 3-85 BrightSource Installation

Table 3-86 BrightSource Ivanpah Project Overview

Table 3-87 BrightSource Ivanpah Projects

Figure 3-88 BrightSource Energy Ivanpah

Table 3-89 BrightSource Energy Hidden Hills Overview Fact Sheet

Figure 3-90 BrightSource Energy Hidden Hills Project

Figure 3-91 Solargenix Energy Multi-megawatt Solar Power Plants For The Kramer
Junction Facility in California

Table 3-92 Solargenix Energy, LLC Nevada One
Figure 3-93 Andersen Manufacturing Satellite Antennae Useful Model for Concentrating Solar Dish
Table 3-94 Abengoa Solar Operating Scheme For Parabolic Trough
Table 3-95 Abengoa Solar Main Components For Parabolic Trough Technology
Table 3-96 Abengoa Solar Parabolic Trough Reflector
Table 3-97 Abengoa Solar Receiver Tube Or Heat Collection Element:
Table 3-98 Abengoa Solar Untracking and Support Structure System
Table 3-99 Abengoa Solar Parabolic Trough Models:
Figure 3-100 Abengoa Solar Concentrating Solar Power
Table 3-101 Abengoa Solar Trough. Technology Variables To Be Analyzed When Defining An Installation
Figure 3-102 Abengoa Solar Land Requirements for 100 MW Plants
Figure 3-103 Abengoa Solar Individual Parabolic Trough Collector Modules Attached Together
Table 3-104 Abengoa Concentrating Solar Power Trough Specifications
Figure 3-105 Masdar PV modules
Figure 3-106 Masdar PV Thin-film Modules
Table 3-107 Masdar PV Modules Quality and Performance Aspects
Table 3-108 Masdar PV Micromorph Thin-Film Solar Modules Quality and Performance
Table 3-109 Masdar PV Micromorph Thin-Film Solar Modules Production Lines
Figure 3-110 Solar Millennium Provides Parabolic Trough Technology Able To Provide A Turnkey Solution
Figure 3-111 Molten Salt As Solar Heat Battery
Figure 3-112 Siemens Solar-Thermal Power Plant: Putting the Desert to Use
Figure 3-113 Siemens Turbines for Solar Thermal Parabolic Trough
Table 3-114 Siemens CSP Solar Receiver (Universal Vacuum Air Collector UVAC 2010) Features
Figure 3-115 Asahi Glass Solar Curve Factor
Figure 3-116 Asahi Glass Textured Finish To Solar Panel
Figure 3-117 GE10 MW Solar Park Caceres, Spain 2008
Table 3-118 Daqo New Energy Module Characteristics
Figure 3-119 JinkoSolar Produces Ingots, Wafers, Cells, and Modules
Table 4-1 Types of PV Systems:
Figure 4-2 Photovoltaic PV Theoretical Limits
Figure 4-3 Abengoa Solar Radiation Concentration
Figure 4-4 Abengoa Solar Tower Technology
Figure 4-5 Abengoa Solar Land Requirements
Figure 4-6 Abengoa Solar Concentrating Power

Table 4-7 Abengoa Solar Operating Scheme For Parabolic Trough

Table 4-8 Abengoa Solar Parabolic Trough Models:

Figure 4-9 Solar Reflector System

Table 4-10 Pacific SolarTech Concentrator Photovoltaic Modules Technology

Figure 5-1 Abengoa Building of Solana

Figure 5-2 Abengoa International Presence

Table 5-3 Abengoa Solar Commitment to Solar Energy

Figure 5-4 Abengoa Solar Global Presence

Figure 5-5 Abengoa Solar Power PlantsPS10 Heliostats Construction

Table 5-6 Abengoa Solar Promotion, Construction, and Operation

Figure 5-7 Abengoa Solar Types of Solar Power

Table 5-8 Abengoa Solar R&D

Figure 5-9 Abengoa Solar and City Council of SanLucar la MayorPS10 In OperationBeside=S Ps20 Under Construction

Table 5-10 Abengoa Solar Project Activities

Figure 5-11 Abengoa International Presence

Figure 5-12 Abengoa Projects in Spain

Figure 5-13 Abengoa US Projects and Presence

Figure 5-14 Abengoa Algeria Projects and Presence

Figure 5-15 Abengoa Algeria Siting

Figure 5-16 Abengoa Morocco Projects and Presence

Figure 5-17 Abengoa Moroccan Firm ONE Projects

Table 5-18 ACCIONABusiness Divisions

Figure 5-19 Acciona's Nevada Solar One Project

Figure 5-20 Acciona Wind Towers

Table 5-21 Acciona Three Lines Of Business

Table 5-22 Acciona Range Of Renewable Energy Sources

Table 5-23 Wind Power Capacity Installed By Acciona Energy By Country, 2009

Table 5-24 Photovoltaic Capacity Installed By Acciona Solar (MWp)

Table 5-25 CSP Plants Operated by Acciona Energy

Table 5-26 Hydropower capacity owned by Acciona Energy in Spain

Table 5-27 Acciona Divisions

Figure 5-28 Asahi Glass Transparent Conductive Film Glass Substrates

Figure 5-29 Asahi Glass Fuel Cell

Figure 5-30 AGC Asahi Glass Ecoglass Sun Balance

Figure 5-31 AGC Asahi Glass Comparison Between Ordinary Windshield and Coolverre

Figure 5-32 AGC Asahi Glass Effects of Coolverre

Figure 5-33 Asahi Glass Revenue

Figure 5-34 Asahi Glass Sales Ratios

Figure 5-35 AGC Asahi Glass New Glass Products
Figure 5-36 AGC Asahi Glass New Glass Products
Figure 5-37 Asahi Glass Segments
Figure 5-38 Asahi Glass Sales
Figure 5-39 Asahi Glass Performance Trends
Figure 5-40 Asahi Glass Growth Positioning
Figure 5-41 Asahi Glass Production Technologies
Table 3-42 BrightSource Projects
Figure 5-43 BrightSource Investors
Table 5-44 Boeing Military Aircraft Key programs
Table 5-45 Boeing Unmanned Airborne Systems:
Table 5-46 Boeing Weapons
Figure 5-47 Directed Vapor Technology
Figure 5-48 DuPont Photovoltaic Encapsulant Functions
Figure 5-49 DuPont Photovoltaic Encapsulants
Table 5-50 DuPont Kapton Features:
Table 5-51 DuPont Technical Data for Standard Kapton Polyimide Film
Table 5-52 DuPont Teonex
Figure 5-53 Emcore Gen3 CPV Installation on Maui, Hawaii
Figure 5-54 Emcore Headquarters
Figure 5-55 Emcore Solar Cell
Table 5-56 Emcore's Solutions
Table 5-57 Markets Served by Emcore's Fiber Optics Segment
Table 5-58 Emcore's CATV and FTTP Products
Table 5-59 Parallel Optical Transceiver Product Family
Table 5-60 Emcore's Optical Components and Modules for Data Applications
Figure 5-61 Energy Innovations Sunflower
Table 5-62 Green and Gold Energy/Suncube Exclusive
Licensed States And Countries:
Table 5-63 GreenVolts Solar Power Positioning
Table 5-64 GreenVolts Functions
Table 5-65 Hitachi Industrial Systems
Table 5-65 (Continued) Hitachi Industrial Systems
Table 5-66 Hitachi Large Generator Positioning
Table 5-67 Hitachi Product Positioning
Figure 5-68 Infinia Solar Electric Power Generation Technologies And Products
Table 5-69 Infinia Solar Strategy
Figure 5-69 Masdar PV Thin-Film Modules
Table 5-70 Masdar PV Focused And Holistic Strategy Activities

Table 5-71 United Arab Emirates Technology Commitment to Masdar
Table 5-72 Masdar PVTechnology Development Partners
Table 5-73 Pythagoras' Photovoltaic Glass Unit (PVGU) Energy Efficiency
Figure 5-74 Schott ProductsGlass-to-Metal-Seals and Ceramic-to-Metal-Seals
Figure 5-75 Schott Automotive Glass
Figure 5-76 Schott Defense Seals
Figure 5-77 Schott Industry Special Products
Figure 5-77 (Continued) Schott Industry Special Products
Figure 5-77 (Continued) Schott Industry Special Products
Table 5-78 Schott Electronic Packaging Product Benefits:
Figure 5-79 Schott A Flexible Glass Fiber Light Guides Transmit The Light
Figure 5-80 Schott Ultra thin Glass Flexible Substrates
Table 5-81 SCHOTT Solar Products Photovoltaic Modules Advantages
Table 5-82 Siemens Business Areas
Table 5-83 Siemens Industrial Portals
Figure 5-84 Siemens Generator Turbine
Table 5-85 Solargenix Energy's Power Roof Technology Features
Figure 5-86 SolFocus CPV systems Thin Film Solutions
Figure 5-87 Solar Thermal Electricity Generation: Parabolic Trough Power Plants
Table 5-88 United Technologies Operating Segments
Figure 5-89 Whitfield Solar Systems
Table 5-90 ZenithSolar Materials

I would like to order

Product name: Commercial and Industrial Gate and Door Opener Market Shares, Strategies, and Forecasts, Worldwide, 2011 to 2017

Product link: <https://marketpublishers.com/r/C3869665539EN.html>

Price: US\$ 3,600.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C3869665539EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

