Distributed Generation (DG) - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Distributed Generation (DG) in US$ Million and Annual Capacity Installations (in Megawatts). The Global and regional markets are further analyzed in terms of Annual Capacity Installations (in Megawatts) by the following Technologies: Renewable Technologies, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America.

Annual estimates and forecasts are provided for the period 2013 through 2020. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 84 companies including many key and niche players such as -

Activ Solar GmbH
Ballard Power Systems, Inc.
Bergey Windpower Company
Bloom Energy Corporation
Canadian Solar Inc.

Contents:

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definition and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW
   Distributed Power Generation: A ‘Game Changer’ for the Electric Power Industry
   DG Phenomenon Compels Transformation of Centralized Utility Business Model
   Myriad Benefits of Distributed Generation Drives Widespread Adoption
   Major Factors Driving Deployment of Distributed Generation in Developed and Developing Economies
   Environmental Benefits
   Utility Benefits
   Reliability and Energy Security Benefits
   Grid Expansion and Equipment Benefits
   Favorable Government Regulations and Policies: Critical for Market Penetration
   Domestic Targets for Greenhouse Gas Emissions of Select Regions/Countries
   Global Market Outlook
   Europe: The Early Mover Advantage Drives Market Expansion

2. MARKET TRENDS, ISSUES & DRIVERS
   Robust Demand for Electricity Closer to the Point of Consumption Drives Proliferation of DG Technologies
   Table 1: Global Electricity Consumption in TWh for Years 2000, 2015 & 2030 (includes corresponding Graph/Chart)
   Table 2: Global Electricity Production by Country (2013): Percentage Breakdown of Electricity Production Volume for China, United States, India, Russia, Japan, Canada, Germany, Brazil, France, South Korea, and Others (includes corresponding Graph/Chart)
   Table 3: Global Electricity Consumption by Country (2013): Percentage Breakdown of Electricity Consumption Volume for China, United States, Japan, Russia, India, Germany, Canada, Brazil, South Korea, France, and Others (includes corresponding Graph/Chart)
   Table 4: Projected Global Demand for Primary Energy (Mtoe) and Electricity (MWh): 2015, 2020, 2025, 2030 & 2035 (includes corresponding Graph/Chart)
Table 5: Global Total Primary Energy Supply (Excluding Energy Stored in International Marine and Aviation Bunkers) in Units by Region (2013): Percentage Breakdown of Supply Volumes for OECD, China, Asia (excluding China), Non-OECD Europe and Eurasia, Africa, Middle East, and Non-OECD Americas (includes corresponding Graph/Chart)

Table 6: Estimated Global Power Generation Infrastructure Requirement (in US$ Billion) for China, India, Latin America, and North America over the Period 2010-2030 (includes corresponding Graph/Chart)

Inefficiencies in Traditional Power Generation Model: Foundation for Market Growth
High DG Penetration in the Long Run to Lead to Utility Companies' 'Death Spiral'
Growing Focus on Renewable Energy: A Strong Growth Driver
Leading Wind Power Countries Worldwide (2013): Ranking Based on Key Wind Power Facts

Table 7: Global Investments (US$ Billion) in Renewable Energy by Source: 2013 (includes corresponding Graph/Chart)

Table 8: Global PV Installations by Applications (2014E & 2016F): Percentage Share Breakdown of Capacity Installations for Commercial, Off-Grid, Residential, and Utility-Scale (includes corresponding Graph/Chart)

Table 9: International Targets for Solar Photovoltaics for Select Countries

Table 10: World Installed Base of Wind Energy (in Megawatts) by Geographic Region: 2013 & 2017F (includes corresponding Graph/Chart)

Table 11: Leading 10 Countries in Wind Power Worldwide (2014): Percentage Breakdown of Cumulative Capacity (Megawatts) for China, US, Germany, Spain, India, UK, Canada, France, Italy, Brazil, and Rest of World (includes corresponding Graph/Chart)

Smart Grids to Complement Integration of DG Resources in Electric Utility Network
Distributed Generation: A Key Enabler of Smart Cities
Microgrids and Distributed Generation Transform Electricity Management Forever

Table 12: Global Distributed Generation Capacity in Microgrids by Type (2015): Percentage Breakdown of Capacity Installations for Diesel Generators, Fuel cells, Natural Gas Generators, Small Wind Turbines, Solar PV Systems, and Others (includes corresponding Graph/Chart)

DG Prosumers Continue to Depend on Utility Grids, Equitable Cost Sharing a Major Priority
Virtual Power Plants (VPPs): The DG Technology with Tremendous Growth Potential
Affordable, Efficient Energy Storage Technologies to Magnify the Disruptive Effect of DG
Commercialization of Stationary Fuel Cells to Revolutionize DG Market
Solar PV on the Verge of Attaining Grid Parity: A Major Milestone for DG
Surging Demand from Telecom Network Operators Augurs Well for the DG Market
Developing Countries Offer Significant Growth Opportunities
Favorable Demographic and Urbanization Trends Strengthens Market Prospects

Table 13: Global Population Estimates (2000-2050) (includes corresponding Graph/Chart)

Table 14: Population Statistics for Select Countries: 2007, 2010 & 2013 (in Millions) (includes corresponding Graph/Chart)

Rapid Urbanization: A Mega Growth Driver for Distributed Generation

Table 15: Total Population Worldwide by Urban and Rural Population in Thousands: 1950-2050P (includes corresponding Graph/Chart)

Table 16: Estimated Percentage of Urbanization in World, China and India for Years 2011 and 2018 (includes corresponding Graph/Chart)

Key Challenges Hampering Large Scale Deployment of Distributed Generation
Technical Barriers
Lower Energy-Efficiency, Higher Costs of DG Equipment

3. PRODUCT OVERVIEW
Distributed Generation: A Prelude
Types of Distributed Generation Resources
Table 17: Major Distributed Generation Technologies with Typical Installed Capacity Range
Table 18: Categorization of Distributed Generation Technologies by Capacity Installations
Solar Photovoltaic Systems
Distributed Wind Turbines
Microhydroelectric Generators
Reciprocating Engines
Gas Turbines
Microturbines
Fuel Cells

4. PRODUCT INNOVATIONS/INTRODUCTIONS
Gridco Systems Unveils 150 kVA In-Line Power Regulator for DER Systems
Spirae Introduces Technology Platform for DG System Integration
SolarWorld Unveils Toit Solaire IAB Modules
Northern Power Systems Releases New Distributed Wind Turbines

5. RECENT INDUSTRY ACTIVITY
Duke Energy Acquires Majority Equity Stake in REC Solar
Main Street Power Takes Over the AES Corporation
Siemens AG Acquires Dresser-Rand Group
TerraForm Power Acquires Energies Integrys Group
Solar Power Inc. to Acquire Select Assets of Energiebau Solar Power
TerraForm Power Purchases 168 MW DG and Utility PV Plants from SunEdison
AES Distributed Energy Secures Finance for MySolar Program from CIT Group
JinkoSolar Holding Inks PV Module Supply Agreement with Southern Power Grid Synthesis Energy
Hanwha SolarOne Partners with GAEDZ to Develop 50MW DG PV Projects
NextEra Energy Resources Commences Construction of 2 DG Solar PV Systems
Wartsila Secures Order for 2 Smart Power Generation Plants
Trina Solar Wins Contract for 300MW DG Commercial Rooftop Project
JinkoSolar Holding to Supply PV solar Modules to Sunwinon Renewable Energy
Hanergy Thin Film Power Inks Strategic Agreement with TIEN New Energy
Bergey Windpower Installs First 10kW Wind Turbines in Japan
ReneSola Inks Definitive Agreement with Pristine Sun for 300 MW Solar Projects
Georgia Power Reveals Advanced Solar Initiative DG Program
SolarCity Secures Finance for 500 MW DG Solar Projects
goSolar Inks Supply agreement with NEXTracker for 105 MW DG Systems
Atlantic Tele-Network Acquires Green Lake Capital
Xinwei Solar Power Engineering Inks Agreement for Acquiring Shanghai All-Zip Roofing System
NextEra Energy, Hawaiian Electric to Acquire and Develop 19 MW Projects in Shandong Province
Exelon Corporation to Finance Bloom Energy
First Solar Forms Strategic Partnership with Clean Energy Collective
Greenwood Energy to Expand Solar Business by Acquiring DG Projects
Proinsco to Finance DG Projects above 100 kW
Hanwha SolarOne Inks MoU with Yantai Municipal Bureau of Commerce for Developing 100 MW DG PV Projects
Hareon Solar Technology Inks Agreement for Developing 600 MW DG Rooftop Projects in Xingtai City
Trina Solar Limited Wins Contract from Linuo Solar Power for 23MW PV Modules
GE Power & Water Introduces Distributed Power business for Africa
GE Introduces GE Distributed Power Business
Yingli Green Energy Partners with China National Nuclear Corporation for 500 MW DG Solar PV Projects
SPI Solar Subsidiaries to Develop Two Rooftop DG Sites
SolarCity, Hawaiian Electric to Collaborate with US NREL to Develop Advanced Solar DG Technologies
SunEdison Secures finance from Citigroup and Barclays for Solar PV DG Projects
Edison International Completes Acquisition of SoCore Energy
XZERES Buys Assets of Southwest Windpower
Pioneer Power Takes Over Power Systems Solutions
Kenyon Energy, Sun Financial Completes Acquisition of BP Solar’s DG Solar Facilities

6. FOCUS ON SELECT GLOBAL PLAYERS
Activ Solar GmbH (Austria)
Ballard Power Systems, Inc. (Canada)
Bergey Windpower Company (US)
Bloom Energy Corporation (US)
Canadian Solar Inc. (Canada)
First Solar, Inc. (US)
Fortis Wind Energy (Netherlands)
FuelCell Energy, Inc. (US)
GE Power & Water (US)
Hanwha Q CELLS Co., Ltd. (South Korea)
JA Solar Holdings Co., Ltd. (China)
JinkoSolar Holding Co., Ltd. (China)
juwi, Inc. (US)
Sharp Corporation (Japan)
SolarCity Corp. (US)
Trina Solar Limited (China)
Vergnet SA (France)
Wind Energy Solutions (W.E.S.) B.V. (Netherlands)
XZERES Wind Corp. (US)
Yingli Green Energy Holding Company Limited (China)

7. GLOBAL MARKET PERSPECTIVE
Volume Analytics
Table 19: World Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 20: World 8-Year Perspective for Distributed Generation (DG) Technologies by Geographic Region
- Percentage Share Breakdown of Annual Capacity Installations for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Table 21: World Recent Past, Current & Future Analysis for Renewable Distributed Generation (DG) Technologies by Geographic Region
- US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 22: World 8-Year Perspective for Renewable Distributed Generation (DG) Technologies by Geographic Region
- Percentage Share Breakdown of Annual Capacity Installations for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Table 23: World Recent Past, Current & Future Analysis for Other Distributed Generation (DG) Technologies by Geographic Region
- US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 24: World 8-Year Perspective for Other Distributed Generation (DG) Technologies by Geographic Region
- Percentage Share Breakdown of Annual Capacity Installations for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Value Analytics
Table 25: World Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Revenue Figures in US$ Thousand for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 26: World 8-Year Perspective for Distributed Generation (DG) Technologies by Geographic Region
- Percentage Share Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

III. MARKET
1. THE UNITED STATES
A. Market Analysis
Current and Future Analysis
Market Trends & Drivers
Challenging Times Ahead for US Utilities as Distributed Generation Market Surges Ahead
Table 27: US Distributed Generation Capacity by Technology Type (2014E): Percentage Breakdown of Capacity for Coal, Natural Gas, Renewable Energy Resources, and Others (includes corresponding Graph/Chart)
Government Subsidies Spur Growth of US Solar PV DG Market
Table 30: US State Government Subsidies for Residential Solar PV Distributed Generation: 2015 (includes
corresponding Graph/Chart
Mixed Prospects for Distributed Wind Power Market in the US
Table 31: US Distributed Wind Systems Market with 2014 and 2030 Targets for Levelized Cost of Energy, Capacity Factor, and Average Installed Cost
CHP Holds Strong Growth Potential for the Distributed Generation Market
High CAPEX Continues to Constrain Fuel Cells Market
Table 32: Average CAPEX per Kilowatt (US$/ KW) of Major Types of Fuel Cell Systems: 2015 (includes corresponding Graph/Chart)
US Manufacturers to Leverage Innovation to Capture a Slice of the Global Distributed Wind Market
DERMS Market to Grow in Sync with DG Penetration
DG Project Developers Leverage New Sources of Capital Investment
Product Introductions
Strategic Corporate Developments
Select Key Players
B. Market Analytics
Volume Analytics
Table 33: US Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 34: US 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Value Analytics
Table 35: US Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies with Annual Revenue Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
2. CANADA
A. Market Analysis
Current and Future Analysis
Select Key Players
B. Market Analytics
Volume Analytics
Table 36: Canadian Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 37: Canadian 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Value Analytics
Table 38: Canadian Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies with Annual Revenue Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
3. JAPAN
A. Market Analysis
Current and Future Analysis
The FiT Program to Spur Growth of Japan's Distributed Wind Power Market
Strategic Corporate Development
Sharp Corporation - A Key Japanese Player
B. Market Analytics
Volume Analytics
Table 39: Japanese Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 40: Japanese 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Value Analytics
Table 41: Japanese Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies with Annual Revenue Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4. EUROPE
A. Market Analysis
Current and Future Analysis
ADDRESS Project Demonstrates Power of Aggregated Small Consumers
Western Europe Utilities Bear the Brunt of DG Disruption

B. Market Analytics
Volume Analytics
Table 42: European Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Geographic Region - France, Germany, Italy, UK, Spain, and Rest of Europe Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 43: European 8-Year Perspective for Distributed Generation (DG) Technologies by Geographic Region Percentage Share Breakdown of Annual Capacity Installations for France, Germany, Italy, UK, Spain, and Rest of Europe Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Table 44: European Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 45: European 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Value Analytics
Table 46: European Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies with Annual Revenue Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)
4a. FRANCE
A. Market Analysis
Current and Future Analysis
Product Introduction
Vergnet SA - A Key French Player
B. Market Analytics
Table 47: French Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 48: French 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
4b. GERMANY
A. Market Analysis
Current and Future Analysis
Germany: Biggest Electricity as well as Distributed Energy Market in Europe
Strategic Corporate Developments
B. Market Analytics
Table 49: German Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 50: German 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
4c. ITALY
A. Market Analysis
Current and Future Analysis
B. Market Analytics
Table 51: Italian Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 52: Italian 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
4d. THE UNITED KINGDOM
A. Market Analysis
Current and Future Analysis
B. Market Analytics
Table 53: UK Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 54: UK 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

4e. SPAIN
A. Market Analysis
Current and Future Analysis
B. Market Analytics
Table 55: Spanish Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 56: Spanish 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

4f. REST OF EUROPE
A. Market Analysis
Current and Future Analysis
Strategic Corporate Developments
Select Key Players
B. Market Analytics
Table 57: Rest of Europe Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 58: Rest of Europe 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
A. Market Analysis
Current and Future Analysis
Developing Asian Countries Offer Significant Growth Opportunities
B. Market Analytics
Volume Analytics
Table 59: Asia-Pacific Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Geographic Region - China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 60: Asia-Pacific 8-Year Perspective for Distributed Generation (DG) Technologies by Geographic Region Percentage Share Breakdown of Annual Capacity Installations for China, India, and Rest of Asia-Pacific Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Value Analytics
Table 61: Asia-Pacific Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)
Table 62: Asia-Pacific 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

5a. CHINA
A. Market Analysis
Current and Future Analysis
Strategic Corporate Developments
Select Key Players
B. Market Analytics
Table 64: Chinese Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 65: Chinese 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

5b. INDIA

A. Market Analysis
   Current and Future Analysis
   Strategic Corporate Development
B. Market Analytics

Table 66: Indian Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type
Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 67: Indian 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

5c. REST OF ASIA-PACIFIC

A. Market Analysis
   Current and Future Analysis
Hanwha Q Cells Co., Ltd - A Key South Korean Player
B. Market Analytics

Table 68: Rest of Asia-Pacific Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 69: Rest of Asia-Pacific 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type
Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

6. MIDDLE EAST & AFRICA

A. Market Analysis
   Current and Future Analysis
   Strategic Corporate Developments
B. Market Analytics

Volume Analytics

Table 70: Middle East & Africa Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 71: Middle East & Africa 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type
Percentage Share Breakdown of Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

Value Analytics

Table 72: Middle East & Africa Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies with Annual Revenue Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

7. LATIN AMERICA

A. Market Analysis
   Current and Future Analysis
B. Market Analytics

Volume Analytics

Table 73: Latin American Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Geographic Region - Brazil, and Rest of Latin America Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 74: Latin American 8-Year Perspective for Distributed Generation (DG) Technologies by Geographic Region
Percentage Share Breakdown of Annual Capacity Installations for Brazil, and Rest of Latin America Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)
Table 75: Latin American Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 76: Latin American 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type
Percentage Share Breakdown of Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

Value Analytics

Table 77: Latin American Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies with Annual Revenue Figures in US$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

7a. BRAZIL
A. Market Analysis
Current and Future Analysis
B. Market Analytics
Table 78: Brazilian Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 79: Brazilian 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

7b. REST OF LATIN AMERICA
A. Market Analysis
Current and Future Analysis
B. Market Analytics
Table 80: Rest of Latin America Recent Past, Current & Future Analysis for Distributed Generation (DG) Technologies by Technology Type - Renewable and Other DG Technologies Markets Independently Analyzed with Annual Capacity Installations in Megawatts for Years 2013 through 2020 (includes corresponding Graph/Chart)

Table 81: Rest of Latin America 8-Year Perspective for Distributed Generation (DG) Technologies by Technology Type - Percentage Share Breakdown of Annual Capacity Installations for Renewable and Other DG Technologies Markets for Years 2013, 2015 and 2020 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE
Total Companies Profiled: 83 (including Divisions/Subsidiaries - 90)

The United States (56)
Canada (4)
Japan (2)
Europe (14)
- France (1)
- Germany (3)
- The United Kingdom (1)
- Italy (1)
- Spain (1)
- Rest of Europe (7)
Asia-Pacific (Excluding Japan) (14)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3440904/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Distributed Generation (DG) - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/3440904/
Office Code: SCBR4TLC

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Product Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF)</td>
<td></td>
<td>USD 4500</td>
</tr>
<tr>
<td>Single User</td>
<td></td>
<td>USD 6300</td>
</tr>
<tr>
<td>1 - 5 Users</td>
<td></td>
<td>USD 8550</td>
</tr>
<tr>
<td>1 - 10 Users</td>
<td></td>
<td>USD 10800</td>
</tr>
<tr>
<td>1 - 15 Users</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * _______________________________
Job Title: _______________________________
Organisation: ___________________________
Address: ________________________________
City: _________________________________
Postal / Zip Code: _______________________
Country: _______________________________
Phone Number: ___________________________
Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information
Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:
Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp