

Global Solar Panel Cleaning Market Size study, by Technology (Wet Cleaning, Dry Cleaning) by Process (Semi-Automated, Automated, Water Brushes, Electrostatic, Automated Robotic, Others) by Mode of Operation (Manual, Autonomous) by Application (Residential, Commercial, Industrial & Utility) and Regional Forecasts 2020-2027

<https://marketpublishers.com/r/GACF63D7BEC7EN.html>

Date: July 2020

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: GACF63D7BEC7EN

Abstracts

Global Solar Panel Cleaning Market is valued approximately USD 580 million in 2019 and is anticipated to grow with a healthy growth rate of more than 11.4 % over the forecast period 2020-2027. Solar panel cleaning is a method of detaching gathered elements comprising dust, ashes from wildfires, bird droppings from the panel surface. This procedure is instigated to mend power conversion capability of PV where gathered particles act as an barrier between the sunlight and the panels. The Solar Panel Cleaning market is driven by the surging adoption of Solar Power generation owing to rising focus towards green buildings, favorable governments norms and policies towards adoption of renewable energy. As per the Solar Energy Industries Association (SEIA), in the first quarter of 2020, 3.6 gigawatts of Solar PV capacity was installed in the US increasing the total to 81.4 gigawatts of installed capacity which is enough to power 15.7 million houses. While as per Natural Resources Canada, the total capacity of Solar PV in Canada was 3040 Megawatts. Further, the escalating demand for clean energy to reduce carbon emission has also promoted the adoption of solar panels in the region. In the year 2018, the solar accounted for 51% of all the new electric generating capacity additions in the United States as nearly about 315000 residential spaces added solar Panels in the year 2018. Moreover, surging establishments of smart cities in both developed & developing countries along with strategic initiatives taken up by the private organizations indulged in offering Solar Panel Cleanings project a prosperous

market during the forecast period.

The regional analysis of global Solar Panel Cleaning market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to growing penetration of Solar Power generation the in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as rising disposable income and rising investments in renewable power generation would create lucrative growth prospects for the Solar Panel Cleaning market across Asia-Pacific region.

Major market player included in this report are:

Ecoppia

Boson Robotics

Serbot AG

Nomadd

Clean Solar Solutions Ltd

Heliotex

Kashgar Solbright Photovoltaic Technology Co, Ltd

Sharp Corporation

Saint Gobain

Premier Solar Cleaning

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Wet Cleaning

Dry Cleaning

By Process:

Semi-Automated

Automated

Water Brushes

Electrostatic

Automated Robotic

Others

By Mode of Operation:

Manual

Autonomous

By Application:

Residential

Commercial

Industrial & Utility

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Solar Panel Cleaning Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2027 (USD Million)
 - 1.2.1. Solar Panel Cleaning Market, by Region, 2018-2027 (USD Million)
 - 1.2.2. Solar Panel Cleaning Market, by Technology, 2018-2027 (USD Million)
 - 1.2.3. Solar Panel Cleaning Market, by Process, 2018-2027 (USD Million)
 - 1.2.4. Solar Panel Cleaning Market, by Mode of Operation, 2018-2027 (USD Million)
 - 1.2.5. Solar Panel Cleaning Market, by Application, 2018-2027 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL SOLAR PANEL CLEANING MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL SOLAR PANEL CLEANING MARKET DYNAMICS

- 3.1. Solar Panel Cleaning Market Impact Analysis (2018-2027)
 - 3.1.1. Market Drivers
 - 3.1.2. Market Challenges
 - 3.1.3. Market Opportunities

CHAPTER 4. GLOBAL SOLAR PANEL CLEANING MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes

- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2017-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SOLAR PANEL CLEANING MARKET, BY TECHNOLOGY

- 5.1. Market Snapshot
- 5.2. Global Solar Panel Cleaning Market by Technology, Performance - Potential Analysis
- 5.3. Global Solar Panel Cleaning Market Estimates & Forecasts by Technology 2017-2027 (USD Million)
- 5.4. Solar Panel Cleaning Market, Sub Segment Analysis
 - 5.4.1. Wet Cleaning
 - 5.4.2. Dry Cleaning

CHAPTER 6. GLOBAL SOLAR PANEL CLEANING MARKET, BY PROCESS

- 6.1. Market Snapshot
- 6.2. Global Solar Panel Cleaning Market by Process, Performance - Potential Analysis
- 6.3. Global Solar Panel Cleaning Market Estimates & Forecasts by Process 2017-2027 (USD Million)
- 6.4. Solar Panel Cleaning Market, Sub Segment Analysis
 - 6.4.1. Semi-Automated
 - 6.4.2. Automated
 - 6.4.3. Water Brushes
 - 6.4.4. Electrostatic
 - 6.4.5. Automated Robotic
 - 6.4.6. Others

CHAPTER 7. GLOBAL SOLAR PANEL CLEANING MARKET, BY MODE OF OPERATION

- 7.1. Market Snapshot

7.2. Global Solar Panel Cleaning Market by Mode of Operation, Performance - Potential Analysis

7.3. Global Solar Panel Cleaning Market Estimates & Forecasts by Mode of Operation, 2017-2027 (USD Million)

7.4. Solar Panel Cleaning Market, Sub Segment Analysis

7.4.1. Manual

7.4.2. Autonomous

CHAPTER 8. GLOBAL SOLAR PANEL CLEANING MARKET, BY APPLICATION

8.1. Market Snapshot

8.2. Global Solar Panel Cleaning Market by Application, Performance - Potential Analysis

8.3. Global Solar Panel Cleaning Market Estimates & Forecasts by Application, 2017-2027 (USD Million)

8.4. Solar Panel Cleaning Market, Sub Segment Analysis

8.4.1. Residential

8.4.2. Commercial

8.4.3. Industrial & Utility

CHAPTER 9. GLOBAL SOLAR PANEL CLEANING MARKET, REGIONAL ANALYSIS

9.1. Solar Panel Cleaning Market, Regional Market Snapshot

9.2. North America Solar Panel Cleaning Market

9.2.1. U.S. Solar Panel Cleaning Market

9.2.1.1. Technology breakdown estimates & forecasts, 2017-2027

9.2.1.2. Process breakdown estimates & forecasts, 2017-2027

9.2.1.3. Application breakdown estimates & forecasts, 2017-2027

9.2.1.4. Mode of Operation breakdown estimates & forecasts, 2017-2027

9.2.2. Canada Solar Panel Cleaning Market

9.3. Europe Solar Panel Cleaning Market Snapshot

9.3.1. U.K. Solar Panel Cleaning Market

9.3.2. Germany Solar Panel Cleaning Market

9.3.3. France Solar Panel Cleaning Market

9.3.4. Spain Solar Panel Cleaning Market

9.3.5. Italy Solar Panel Cleaning Market

9.3.6. Rest of Europe Solar Panel Cleaning Market

9.4. Asia-Pacific Solar Panel Cleaning Market Snapshot

- 9.4.1. China Solar Panel Cleaning Market
- 9.4.2. India Solar Panel Cleaning Market
- 9.4.3. Japan Solar Panel Cleaning Market
- 9.4.4. Australia Solar Panel Cleaning Market
- 9.4.5. South Korea Solar Panel Cleaning Market
- 9.4.6. Rest of Asia Pacific Solar Panel Cleaning Market
- 9.5. Latin America Solar Panel Cleaning Market Snapshot
 - 9.5.1. Brazil Solar Panel Cleaning Market
 - 9.5.2. Mexico Solar Panel Cleaning Market
- 9.6. Rest of The World Solar Panel Cleaning Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Metalfrio Solutions S.A.
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. Beverage-Air Corporation
 - 10.2.3. Daikin Industries, Ltd.
 - 10.2.4. United Technologies Corporation
 - 10.2.5. Dover Corporation
 - 10.2.6. Illinois Tool Works, Inc.
 - 10.2.7. Hussmann International, Inc.
 - 10.2.8. Lennox International, Inc.
 - 10.2.9. AHT Cooling Systems GmbH
 - 10.2.10. Blue Star Ltd.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing

11.2. Research Attributes

11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Solar Panel Cleaning market, report scope

TABLE 2. Global Solar Panel Cleaning market estimates & forecasts by Region
2017-2027 (USD Million)

TABLE 3. Global Solar Panel Cleaning market estimates & forecasts by Technology
2017-2027 (USD Million)

TABLE 4. Global Solar Panel Cleaning market estimates & forecasts by Process
2017-2027 (USD Million)

TABLE 5. Global Solar Panel Cleaning market estimates & forecasts by Mode of
Operation 2017-2027 (USD Million)

TABLE 6. Global Solar Panel Cleaning market estimates & forecasts by Application
2017-2027 (USD Million)

TABLE 7. Global Solar Panel Cleaning market by segment, estimates & forecasts,
2017-2027 (USD Million)

TABLE 8. Global Solar Panel Cleaning market by region, estimates & forecasts,
2017-2027 (USD Million)

TABLE 9. Global Solar Panel Cleaning market by segment, estimates & forecasts,
2017-2027 (USD Million)

TABLE 10. Global Solar Panel Cleaning market by region, estimates & forecasts,
2017-2027 (USD Million)

TABLE 11. Global Solar Panel Cleaning market by segment, estimates & forecasts,
2017-2027 (USD Million)

TABLE 12. Global Solar Panel Cleaning market by region, estimates & forecasts,
2017-2027 (USD Million)

TABLE 13. Global Solar Panel Cleaning market by segment, estimates & forecasts,
2017-2027 (USD Million)

TABLE 14. Global Solar Panel Cleaning market by region, estimates & forecasts,
2017-2027 (USD Million)

TABLE 15. Global Solar Panel Cleaning market by segment, estimates & forecasts,
2017-2027 (USD Million)

TABLE 16. Global Solar Panel Cleaning market by region, estimates & forecasts,
2017-2027 (USD Million)

TABLE 17. U.S. Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD
Million)

TABLE 18. U.S. Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 19. U.S. Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 20. Canada Solar Panel Cleaning market estimates & forecasts, 2017-2027

(USD Million)

TABLE 21. Canada Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 22. Canada Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 23. UK Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD

Million)

TABLE 24. UK Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 25. UK Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 26. Germany Solar Panel Cleaning market estimates & forecasts, 2017-2027

(USD Million)

TABLE 27. Germany Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 28. Germany Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 29. RoE Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD

Million)

TABLE 30. RoE Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 31. RoE Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 32. China Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD

Million)

TABLE 33. China Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 34. China Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 35. India Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD

Million)

TABLE 36. India Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 37. India Solar Panel Cleaning market estimates & forecasts by segment

2017-2027 (USD Million)

TABLE 38. Japan Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD Million)

TABLE 39. Japan Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 40. Japan Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 41. RoAPAC Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD Million)

TABLE 42. RoAPAC Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 43. RoAPAC Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 44. Brazil Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD Million)

TABLE 45. Brazil Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 46. Brazil Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 47. Mexico Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD Million)

TABLE 48. Mexico Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 49. Mexico Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 50. RoLA Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD Million)

TABLE 51. RoLA Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 52. RoLA Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 53. Row Solar Panel Cleaning market estimates & forecasts, 2017-2027 (USD Million)

TABLE 54. Row Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 55. Row Solar Panel Cleaning market estimates & forecasts by segment 2017-2027 (USD Million)

TABLE 56. List of secondary sources, used in the study of global Solar Panel Cleaning market

TABLE 57. List of primary sources, used in the study of global Solar Panel Cleaning

market

TABLE 58. Years considered for the study

TABLE 59. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Solar Panel Cleaning market, research methodology
- FIG 2. Global Solar Panel Cleaning market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Solar Panel Cleaning market, key trends 2019
- FIG 5. Global Solar Panel Cleaning market, growth prospects 2020-2027
- FIG 6. Global Solar Panel Cleaning market, porters 5 force model
- FIG 7. Global Solar Panel Cleaning market, pest analysis
- FIG 8. Global Solar Panel Cleaning market, value chain analysis
- FIG 9. Global Solar Panel Cleaning market by segment, 2017 & 2027 (USD Million)
- FIG 10. Global Solar Panel Cleaning market by segment, 2017 & 2027 (USD Million)
- FIG 11. Global Solar Panel Cleaning market by segment, 2017 & 2027 (USD Million)
- FIG 12. Global Solar Panel Cleaning market by segment, 2017 & 2027 (USD Million)
- FIG 13. Global Solar Panel Cleaning market by segment, 2017 & 2027 (USD Million)
- FIG 14. Global Solar Panel Cleaning market, regional snapshot 2017 & 2027
- FIG 15. North America Solar Panel Cleaning market 2017 & 2027 (USD Million)
- FIG 16. Europe Solar Panel Cleaning market 2017 & 2027 (USD Million)
- FIG 17. Asia pacific Solar Panel Cleaning market 2017 & 2027 (USD Million)
- FIG 18. Latin America Solar Panel Cleaning market 2017 & 2027 (USD Million)
- FIG 19. Global Solar Panel Cleaning market, company market share analysis (2019)

COMPANIES MENTIONED

Ecoppia
Boson Robotics
Serbot AG
Nomadd
Clean Solar Solutions Ltd
Heliotex
Kashgar Solbright Photovoltaic Technology Co, Ltd
Sharp Corporation
Saint Gobain
Premier Solar Cleaning

I would like to order

Product name: Global Solar Panel Cleaning Market Size study, by Technology (Wet Cleaning, Dry Cleaning) by Process (Semi-Automated, Automated, Water Brushes, Electrostatic, Automated Robotic, Others) by Mode of Operation (Manual, Autonomous) by Application (Residential, Commercial, Industrial & Utility) and Regional Forecasts 2020-2027

Product link: <https://marketpublishers.com/r/GACF63D7BEC7EN.html>

Price: US\$ 3,218.00 (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/GACF63D7BEC7EN.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