

Flexible Thin Film and Printed Battery Market By Chargeability (Rechargeable, Non-Rechargeable) and By Application (Consumer Electronics, Energy Harvesting, Pharmaceutical & Medical Devices, Packaging, Smart Cards, Wearable Technology, and Others): Global Opportunity Analysis and Industry Forecast, 2020-2027

<https://marketpublishers.com/r/F58B10F6319EN.html>

Date: April 2020

Pages: 218

Price: US\$ 5,370.00 (Single User License)

ID: F58B10F6319EN

Abstracts

The global flexible thin film and printed battery market size was valued at \$1,217 million in 2019 and is projected to reach \$11,033.3 million by 2027, growing at a CAGR of 30.9% from 2020 to 2027. Applications of flexible batteries have increased in recent times owing to the growth in trend of portable devices and flexible electronics. These batteries possess a new form factor and ultra-thin fabrication that enables them to achieve flexibility. The compatibility issue with conventional batteries to operate with flexible devices, namely, wearable sensors, implantable medical devices, artificial skins, and others, gives rise to the need for flexible batteries.

However, all these requirements cannot be practically realized unless an appropriate flexible power source is developed. To achieve this, flexible batteries are being developed with the most prevalent chemical, that is, lithium ion. Large-scale production as well as utilization of such batteries witnesses a changing trend, due to its limited energy density that restricts its usage in emerging applications such as electrical vehicles. Consistent R&D in the field of battery technology by companies, such as Enfucell Oy, Blue Spark Technologies, and Imprint Energy, and growth in involvement of existing market leaders, such as LG and Panasonic Corporation, pave the way for implementation of flexible batteries in the future.

Growth in applications of flexible batteries is attributed to rise in IoT, wearable technology, and the drift toward miniaturization of products, along with increase in demand for smart electronics products. However, low energy density of these batteries (especially in the case of ultra-thin lithium-ion batteries) restricts the usage applications of these batteries in verticals it can potentially cater to. Development in technology and the arising need for the flexibility enable the flexible battery market to explore the opportunities.

The global flexible thin film and printed battery market is analyzed by chargeability, application, and region. Based on chargeability, it is fragmented into rechargeable, and non-rechargeable. Based on application, the market is segregated into consumer electronics, energy harvesting, pharmaceutical & medical devices, packaging, smart cards, wearable technology, and others. Based on region, the global flexible thin film and printed battery market is analyzed across North America (U.S., Canada, and Mexico), Europe (UK, Germany, France, and rest of Europe), Asia-Pacific (China, India, Japan, South Korea, and rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa).

Flexible Thin Film and Printed Battery Market Segmentation

By Chargeability

Rechargeable

Non-rechargeable

By Application

Consumer Electronics

Energy Harvesting

Pharmaceutical & Medical Devices

Packaging

Smart Cards

Wearable Technology

Others

By Geography

North America

Canada

Mexico

U.S.

Europe

France

Germany

UK

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Rest of Asia-Pacific

LAMEA

Africa

Latin America

Middle East

Key Market Players:

Blue Spark Technologies

Brightvolt, Inc.

Cymbet Corporation

Excellatron Solid State, Inc.

Imprint Energy Inc.

Jiangsu Enfucell Flexible Electronics Co., Ltd.

Panasonic Corporation

Prologium

Samsung SDI

STMicroelectronics

Contents

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key benefits for stakeholders
- 1.3.Key market segments
- 1.4.Research methodology
 - 1.4.1.Primary research
 - 1.4.2.Secondary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings
 - 2.1.1.Top impacting factors
 - 2.1.2.Top investment pockets
- 2.2.CXO perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key Forces Shaping Flexible Thin Film and Printed Battery Industry/Market
 - 3.2.1.Low-to-high bargaining power of suppliers
 - 3.2.2.Moderate-to-high threat of new entrants
 - 3.2.3.Moderate threat of substitutes
 - 3.2.4.Moderate intensity of rivalry
 - 3.2.5.Low-to-moderate bargaining power of buyers
- 3.3.Value Chain Analysis
 - 3.3.1.Raw Material Supplier
 - 3.3.2.OEM
 - 3.3.3.Integrators
- 3.4.Patent Analysis
 - 3.4.1.By Region
 - 3.4.2.By Applicant
- 3.5.Market dynamics
 - 3.5.1.Drivers
 - 3.5.1.1.Rise in IoT
 - 3.5.1.2.Growing demand of smart electronic products

- 3.5.1.3.Increasing concern of government on flexible electronics
- 3.5.2.Restraints
 - 3.5.2.1.Lower Energy density
 - 3.5.2.2.Cost constraint
- 3.5.3.Opportunities
 - 3.5.3.1.Growth in printed electronics
 - 3.5.3.2.Production of rechargeable batteries

CHAPTER 4:FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET, BY CHARGEABILITY

- 4.1.Overview
- 4.2.Rechargeable
 - 4.2.1.Key market trends, growth factors and opportunities
 - 4.2.2.Market size and forecast, by region
 - 4.2.3.Market analysis by country
- 4.3.Non-rechargeable
 - 4.3.1.Key market trends, growth factors, and opportunities
 - 4.3.2.Market size and forecast, by region
 - 4.3.3.Market analysis by country

CHAPTER 5:FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET, BY APPLICATION

- 5.1.Overview
- 5.2.Consumer Electronics
 - 5.2.1.Key market trends, growth factors and opportunities
 - 5.2.2.Market size and forecast, by region
 - 5.2.3.Market analysis by country
- 5.3.Energy Harvesting
 - 5.3.1.Key market trends, growth factors and opportunities
 - 5.3.2.Market size and forecast, by region
 - 5.3.3.Market analysis by country
- 5.4.Pharmaceutical & Medical Devices
 - 5.4.1.Key market trends, growth factors and opportunities
 - 5.4.2.Market size and forecast, by region
 - 5.4.3.Market analysis by country
- 5.5.Packaging
 - 5.5.1.Key market trends, growth factors and opportunities

- 5.5.2.Market size and forecast, by region
- 5.5.3.Market analysis by country
- 5.6.Smart Cards
 - 5.6.1.Key market trends, growth factors and opportunities
 - 5.6.2.Market size and forecast, by region
 - 5.6.3.Market analysis by country
- 5.7.Wearable Technology
 - 5.7.1.Key market trends, growth factors and opportunities
 - 5.7.2.Market size and forecast, by region
 - 5.7.3.Market analysis by country
- 5.8.Others
 - 5.8.1.Key market trends, growth factors and opportunities
 - 5.8.2.Market size and forecast, by region
 - 5.8.3.Market analysis by country

CHAPTER 6:FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET, BY REGION

- 6.1.Overview
- 6.2.North America
 - 6.2.1.Key market trends, growth factors and opportunities
 - 6.2.2.Market size and forecast, by chargeability
 - 6.2.3.Market size and forecast, by application
 - 6.2.4.Market analysis by country
 - 6.2.4.1.U.S.
 - 6.2.4.1.1.Market size and forecast, by chargeability
 - 6.2.4.1.2.Market size and forecast, by application
 - 6.2.4.2.Canada
 - 6.2.4.2.1.Market size and forecast, by chargeability
 - 6.2.4.2.2.Market size and forecast, by application
 - 6.2.4.3.Mexico
 - 6.2.4.3.1.Market size and forecast, by chargeability
 - 6.2.4.3.2.Market size and forecast, by application
- 6.3.Europe
 - 6.3.1.Key market trends, growth factors and opportunities
 - 6.3.2.Market size and forecast, by chargeability
 - 6.3.3.Market size and forecast, by application
 - 6.3.4.Market analysis by country
 - 6.3.4.1.UK
 - 6.3.4.1.1.Market size and forecast, by chargeability

- 6.3.4.1.2. Market size and forecast, by application
- 6.3.4.2. Germany
 - 6.3.4.2.1. Market size and forecast, by chargeability
 - 6.3.4.2.2. Market size and forecast, by application
- 6.3.4.3. France
 - 6.3.4.3.1. Market size and forecast, by chargeability
 - 6.3.4.3.2. Market size and forecast, by application
- 6.3.4.4. Rest of Europe
 - 6.3.4.4.1. Market size and forecast, by chargeability
 - 6.3.4.4.2. Market size and forecast, by application
- 6.4. Asia-Pacific
 - 6.4.1. Key market trends, growth factors and opportunities
 - 6.4.2. Market size and forecast, by chargeability
 - 6.4.3. Market size and forecast, by application
 - 6.4.4. Market size and forecast, by Country
 - 6.4.4.1. China
 - 6.4.4.1.1. Market size and forecast, by chargeability
 - 6.4.4.1.2. Market size and forecast, by application
 - 6.4.4.2. India
 - 6.4.4.2.1. Market size and forecast, by chargeability
 - 6.4.4.2.2. Market size and forecast, by application
 - 6.4.4.3. Japan
 - 6.4.4.3.1. Market size and forecast, by chargeability
 - 6.4.4.3.2. Market size and forecast, by application
 - 6.4.4.4. South Korea
 - 6.4.4.4.1. Market size and forecast, by chargeability
 - 6.4.4.4.2. Market size and forecast, by application
 - 6.4.4.5. Rest of Asia-Pacific
 - 6.4.4.5.1. Market size and forecast, by chargeability
 - 6.4.4.5.2. Market size and forecast, by application
- 6.5. LAMEA
 - 6.5.1. Key market trends, growth factors and opportunities
 - 6.5.2. Market size and forecast, by chargeability
 - 6.5.3. Market size and forecast, by application
 - 6.5.4. Market size and forecast, by country
 - 6.5.4.1. Latin America
 - 6.5.4.1.1. Market size and forecast, by chargeability
 - 6.5.4.1.2. Market size and forecast, by application
 - 6.5.4.2. Middle East

- 6.5.4.2.1. Market size and forecast, by chargeability
- 6.5.4.2.2. Market size and forecast, by application
- 6.5.4.3. Africa
 - 6.5.4.3.1. Market size and forecast, by chargeability
 - 6.5.4.3.2. Market size and forecast, by application

CHAPTER 7:COMPETITIVE LANDSCAPE

7.1.INTRODUCTION

- 7.1.1.MARKET PLAYER POSITIONING, 2019

7.2.TOP WINNING STRATEGIES

- 7.2.1.Top winning strategies, by year
- 7.2.2.Top winning strategies, by development
- 7.2.3.Top winning strategies, by company

7.3.COMPETITIVE DASHBOARD

7.4.COMPETITIVE HEATMAP

7.5.KEY DEVELOPMENTS

- 7.5.1.New product launches
- 7.5.2.Mergers and acquisition
- 7.5.3.Other developments

CHAPTER 8:COMPANY PROFILES

8.1.BLUE SPARK TECHNOLOGIES

- 8.1.1.Company overview
- 8.1.2.Key Executives
- 8.1.3.Company snapshot
- 8.1.4.Operating business segments
- 8.1.5.Product portfolio

8.2.BRIGHTVOLT, INC.

- 8.2.1.Company overview
- 8.2.2.Key Executives
- 8.2.3.Company snapshot
- 8.2.4.Operating business segments
- 8.2.5.Product portfolio
- 8.2.6.Key strategic moves and developments

8.3.CYMBET CORPORATION

- 8.3.1.Company overview
- 8.3.2.Key Executives

- 8.3.3. Company snapshot
- 8.3.4. Operating business segments
- 8.3.5. Product portfolio
- 8.3.6. Key strategic moves and developments
- 8.4. EXCELLATRON SOLID STATE, LLC
 - 8.4.1. Company overview
 - 8.4.2. Key Executives
 - 8.4.3. Company snapshot
 - 8.4.4. Operating business segments
 - 8.4.5. Product portfolio
- 8.5. IMPRINT ENERGY INC.
 - 8.5.1. Company overview
 - 8.5.2. Key Executives
 - 8.5.3. Company snapshot
 - 8.5.4. Operating business segments
 - 8.5.5. Product portfolio
 - 8.5.6. Key strategic moves and developments
- 8.6. JIANGSU ENFUCELL FLEXIBLE ELECTRONICS CO., LTD.
 - 8.6.1. Company overview
 - 8.6.2. Key Executives
 - 8.6.3. Company snapshot
 - 8.6.4. Operating business segments
 - 8.6.5. Product portfolio
 - 8.6.6. Key strategic moves and developments
- 8.7. PANASONIC CORPORATION
 - 8.7.1. Company overview
 - 8.7.2. Key Executives
 - 8.7.3. Company snapshot
 - 8.7.4. Operating business segments
 - 8.7.5. Product portfolio
 - 8.7.6. R&D Expenditure
 - 8.7.7. Business performance
 - 8.7.8. Key strategic moves and developments
- 8.8. PROLOGIUM
 - 8.8.1. Company overview
 - 8.8.2. Key Executives
 - 8.8.3. Company snapshot
 - 8.8.4. Operating business segments
 - 8.8.5. Product portfolio

8.9.SAMSUNG SDI

8.9.1.Company overview

8.9.2.Key Executives

8.9.3.Company snapshot

8.9.4.Operating business segments

8.9.5.Product portfolio

8.9.6.Business performance

8.10.STMICROELECTRONICS

8.10.1.Company overview

8.10.2.Key Executives

8.10.3.Company snapshot

8.10.4.Operating business segments

8.10.5.Product portfolio

8.10.6.Business performance

List Of Tables

LIST OF TABLES

Table 01.FLEXIBLE ELECTRONICS IN VARIOUS APPLICATION SECTOR

Table 02.GLOBAL FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET, BY Chargeability, 2020-2027 (\$BILLION)

Table 03.Flexible thin film and printed battery MARKET REVENUE FOR Rechargeable, by region 2020–2027 (\$BILLION)

Table 04.Flexible thin film and printed battery MARKET REVENUE FOR Non-rechargeable, by region 2020–2027(\$BILLION)

Table 05.GLOBAL FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET revenue, BY Application, 2020-2027 (\$BILLION)

Table 06.Flexible thin film and printed battery MARKET REVENUE FOR Consumer electronics, by region 2020–2027(\$BILLION)

Table 07.Flexible thin film and printed battery MARKET REVENUE FOR Energy harvesting, by region 2020–2027(\$BILLION)

Table 08.Flexible thin film and printed battery MARKET REVENUE FOR PHARMACEUTICAL & MEDICAL DEVICES, by region 2020–2027(\$BILLION)

Table 09.Flexible thin film and printed battery MARKET REVENUE FOR Packaging, by region 2020–2027(\$BILLION)

Table 10.applications of smartcards

Table 11.Flexible thin film and printed battery MARKET REVENUE FOR smart cards, by region 2020–2027(\$BILLION)

Table 12.applications of wearable technology

Table 13.Flexible thin film and printed battery MARKET REVENUE FOR wearable technology, by region 2020–2027(\$BILLION)

Table 14.Flexible thin film and printed battery MARKET REVENUE FOR others, by region 2020–2027(\$BILLION)

Table 15.North America Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 16.North America Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 18.NORTH AMERICA FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET REVENUE, BY country, 2020–2027(\$BILLION)

Table 19.U.S. Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 20.U.S. Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 22.Canada Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 23.canada Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 24.mexico Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 25.mexico Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 26.Europe Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 27.Europe Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 28.EUROPE FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET REVENUE, BY counrty, 2020–2027(\$BILLION)

Table 29.UK Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 30.UK Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 31.germany Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 32.germany Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 33.france Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 34.france Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 35.rest of europe Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 36.rest of europe Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 37.Asia-Pacific Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 38.asia-pacific Flexible thin film and printed battery MARKET revenue, by Application 2020–2027(\$BILLION)

Table 39.ASIA-PACIFIC FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET REVENUE, BY APPLICATION 2020–2027(\$BILLION)

Table 40.china Flexible thin film and printed battery MARKET revenue, by Chargeability 2020–2027(\$BILLION)

Table 41.china Flexible thin film and printed battery MARKET revenue, by Application

2020–2027(\$BILLION)

Table 42.india Flexible thin film and printed battery MARKET revenue, by Chargeability
2020–2027(\$BILLION)

Table 43.india Flexible thin film and printed battery MARKET revenue, by Application
2020–2027(\$BILLION)

Table 44.japan Flexible thin film and printed battery MARKET revenue, by Chargeability
2020–2027(\$BILLION)

Table 45.japan Flexible thin film and printed battery MARKET revenue, by Application
2020–2027(\$BILLION)

Table 46.South Korea Flexible thin film and printed battery MARKET revenue, by
Chargeability 2020–2027(\$BILLION)

Table 47.South Korea Flexible thin film and printed battery MARKET revenue, by
Application 2020–2027(\$BILLION)

Table 48.Rest of Asia-Pacific Flexible thin film and printed battery MARKET revenue, by
Chargeability 2020–2027(\$BILLION)

Table 49.Rest of Asia-Pacific Flexible thin film and printed battery MARKET revenue, by
Application 2020–2027(\$BILLION)

Table 50.LAMEA Flexible thin film and printed battery MARKET revenue, by
Chargeability 2020–2027(\$BILLION)

Table 51.LAMEA Flexible thin film and printed battery MARKET revenue, by Application
2020–2027(\$BILLION)

Table 52.LAMEA FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET
REVENUE, BY APPLICATION 2020–2027(\$BILLION)

Table 53.latin america Flexible thin film and printed battery MARKET revenue, by
Chargeability 2020–2027(\$BILLION)

Table 54.latin america Flexible thin film and printed battery MARKET revenue, by
Application 2020–2027(\$BILLION)

Table 55.middle east Flexible thin film and printed battery MARKET revenue, by
Chargeability 2020–2027(\$BILLION)

Table 56.middle east Flexible thin film and printed battery MARKET revenue, by
Application 2020–2027(\$BILLION)

Table 57.africa Flexible thin film and printed battery MARKET revenue, by Chargeability
2020–2027(\$BILLION)

Table 58.africa Flexible thin film and printed battery MARKET revenue, by Application
2020–2027(\$BILLION)

Table 59.key NEW product launches (2017-2019)

Table 60.key Mergers and acquisition (2017-2019)

Table 61.Other key developments (2017-2019)

Table 62.KEY EXECUTIVES

Table 63.	BLUE SPARK TECHNOLOGIES: company Snapshot
Table 64.	Blue spark technologies: Operating segments
Table 65.	Blue Spark Technologies: PRODUCT portfolio
Table 66.	KEY EXECUTIVES
Table 67.	brightvolt, inc.: company Snapshot
Table 68.	brightvolt, inc.: Operating segments
Table 69.	brightvolt, inc.: PRODUCT portfolio
Table 70.	KEY EXECUTIVES
Table 71.	Cymbet Corporation: company Snapshot
Table 72.	cymbet corporation: Operating segments
Table 73.	Cymbet Corporation: PRODUCT portfolio
Table 74.	Excellatron Solid State, LLC: company Snapshot
Table 75.	Excellatron Solid State, LLC: Operating segments
Table 76.	Excellatron Solid State, LLC: PRODUCT portfolio
Table 77.	imprint energy inc.: company Snapshot
Table 78.	Imprint Energy Inc.: Operating segments
Table 79.	Imprint Energy Inc.: PRODUCT portfolio
Table 80.	Jiangsu Enfucell Flexible Electronics Co., Ltd.: company Snapshot
Table 81.	Jiangsu Enfucell Flexible Electronics Co., Ltd.: Operating segments
Table 82.	Jiangsu Enfucell Flexible Electronics Co., Ltd.: PRODUCT portfolio
Table 83.	panasonic corporation: company Snapshot
Table 84.	Panasonic Corporation: Operating segments
Table 85.	Panasonic Corporation: PRODUCT portfolio
Table 86.	Prologium: company Snapshot
Table 87.	prologium: Operating segments
Table 88.	Prologium: product portfolio
Table 89.	samsung SDI: company Snapshot
Table 90.	Samsung SDI: Operating segments
Table 91.	samsung sdi: PRODUCT portfolio
Table 92.	STMicroelectronics: company Snapshot
Table 93.	STMicroelectronics: Operating segments
Table 94.	STMicroelectronics: PRODUCT portfolio

List Of Figures

LIST OF FIGURES

Figure 01.Key market segments

Figure 02.executive summary

Figure 03.Top IMPACTING FACTORS

Figure 04.Top investment pockets

Figure 05.BENEFITS OF FLEXIBLE ELECTRONICS

Figure 06.value chain analysis

Figure 07.patent analysis, by region

Figure 08.patent analysis, by applicant

Figure 09.APPLICATION OF IOT DEVICES AND SENSORS ASSOCIATED

Figure 10.BATTERY CHEMISTRY FOR PRINTED BATTERIES

Figure 11.GLOBAL flexible thin film and printed battery MARKET, BY Chargeability, 2020-2027

Figure 12.COMPARATIVE SHARE ANALYSIS OF Rechargeable flexible thin film and printed battery MARKET, BY COUNTRY, 2020 & 2027 (%)

Figure 13.COMPARATIVE SHARE ANALYSIS OF Non-rechargeable flexible thin film and printed battery MARKET, BY COUNTRY, 2020 & 2027 (%)

Figure 14.GLOBAL FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET, BY Application, 2020-2027

Figure 15.COMPARATIVE SHARE ANALYSIS OF Consumer electronics Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 16.PROCESS OF HARVESTING ENERGY

Figure 17.COMPARATIVE SHARE ANALYSIS OF Energy harvesting Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 18.COMPARATIVE SHARE ANALYSIS OF PHARMACEUTICAL & MEDICAL DEVICES Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 19.COMPARATIVE SHARE ANALYSIS OF Packaging Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 20.COMPARATIVE SHARE ANALYSIS OF self driving TRUCK Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 21.COMPARATIVE SHARE ANALYSIS OF wearable technology Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 22.COMPARATIVE SHARE ANALYSIS OF self driving bus Flexible thin film and printed battery MARKET, BY COUNTRY, 2019 & 2026 (%)

Figure 23.Global Flexible thin film and printed battery MARKET revenue, by region,

2020–2027(\$BILLION)

Figure 24.north america Flexible thin film and printed battery MARKET revenue, by country, 2020–2027(\$BILLION)

Figure 25.U.s. Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 26.canada Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 27.mexico Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 28.europe Flexible thin film and printed battery market revenue, by country, 2020-2027(\$BILLION)

Figure 29.Uk Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 30.germany Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 31.France Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 32.rest of europe Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 33.ASIA Flexible thin film and printed battery MARKET revenue, by country, 2020–2027(\$BILLION)

Figure 34.China Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 35.India Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 36.Japan Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 37.South Korea Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 38.Rest of Asia-Pacific Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 39.LAMEA FLEXIBLE THIN FILM AND PRINTED BATTERY MARKET REVENUE, by country, 2020-2027(\$BILLION)

Figure 40.Latin America Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 41.Middle East Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

Figure 42.Africa Flexible thin film and printed battery market revenue, 2020-2027(\$BILLION)

- Figure 43.market player positioning, 2019
- Figure 44.Top WINNING STRATEGIES, BY YEAR, 2016–2018
- Figure 45.TOP WINNING STRATEGIES, BY DEVELOPMENT, 2016–2018 (%)
- Figure 46.TOP WINNING STRATEGIES, BY COMPANY, 2016–2018
- Figure 47.competitive dashboard
- Figure 48.competitive heatmap of key players
- Figure 49.KEY EXECUTIVES
- Figure 50.KEY EXECUTIVES
- Figure 51.KEY EXECUTIVES
- Figure 52.KEY EXECUTIVES
- Figure 53.R&D Expenditure, 2016–2018 (\$MILLION)
- Figure 54.Panasonic Corporation: Revenue, 2016–2018 (\$MILLION)
- Figure 55.Panasonic Corporation: Revenue share by segment, 2018 (%)
- Figure 56.Panasonic Corporation: Revenue share by geography, 2018 (%)
- Figure 57.KEY EXECUTIVES (Temp 2)
- Figure 58.KEY EXECUTIVES
- Figure 59.samsung sdi: Revenue, 2016–2018 (\$MILLION)
- Figure 60.Samsung SDI: Revenue share by segment, 2018 (%)
- Figure 61.Samsung SDI: Revenue share by geography, 2018 (%)
- Figure 62.KEY EXECUTIVES
- Figure 63.STMicroelectronics: Revenue, 2016–2018 (\$MILLION)
- Figure 64.STMicroelectronics: Revenue share by segment, 2018 (%)
- Figure 65.STMicroelectronics: Revenue share by geography, 2018 (%)

I would like to order

Product name: Flexible Thin Film and Printed Battery Market By Chargeability (Rechargeable, Non-Rechargeable) and By Application (Consumer Electronics, Energy Harvesting, Pharmaceutical & Medical Devices, Packaging, Smart Cards, Wearable Technology, and Others): Global Opportunity Analysis and Industry Forecast, 2020-2027

Product link: <https://marketpublishers.com/r/F58B10F6319EN.html>

Price: US\$ 5,370.00 (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/F58B10F6319EN.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