

# Global DCB and AMB Substrates for Power Modules Production, Demand and Key Producers, 2022-2028

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## Abstracts

DBC (Direct Bonded Copper) substrates are composed of a ceramic insulator, Al<sub>2</sub>O<sub>3</sub> or AlN onto which pure copper metal is attached by a high temperature eutectic melting process and thus tightly and firmly joined to the ceramic. This report studies the DBC ceramic substrate, including the AlN DBC Ceramic Substrate and Al<sub>2</sub>O<sub>3</sub> DBC Ceramic Substrate.

Active Metal Brazing (AMB) is the latest developments in ceramic substrates and offers the ability to produce Heavy Copper with a AlN (Aluminium Nitride) or SiN (Silicon Nitride). The normal metallisation process is not used as AMB involves brazing pure copper on the ceramic in a high temperature vacuum brazing process. As well as offering a high reliability substrate with unique heat dissipation. The brazing technology also enables double sided copper weights of up to 800µm on thin ceramic substrates of just 0.25mm.

This report studies the global DCB and AMB Substrates for Power Modules production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for DCB and AMB Substrates for Power Modules, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of DCB and AMB Substrates for Power Modules that contribute to its increasing demand across many markets.

The global DCB and AMB Substrates for Power Modules market size is expected to reach \$ 823.3 million by 2028, rising at a market growth of 10.9% CAGR during the

forecast period (2022-2028).

### Highlights and key features of the study

Global DCB and AMB Substrates for Power Modules total production and demand, 2017-2028, (Square Meters)

Global DCB and AMB Substrates for Power Modules total production value, 2017-2028, (USD Million)

Global DCB and AMB Substrates for Power Modules production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (Square Meters)

Global DCB and AMB Substrates for Power Modules consumption by region & country, CAGR, 2017-2028 & (Square Meters)

U.S. VS China: DCB and AMB Substrates for Power Modules domestic production, consumption, key domestic manufacturers and share

Global DCB and AMB Substrates for Power Modules production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (Square Meters)

Global DCB and AMB Substrates for Power Modules production by Type, production, value, CAGR, 2017-2028, (USD Million) & (Square Meters)

Global DCB and AMB Substrates for Power Modules production by Application production, value, CAGR, 2017-2028, (USD Million) & (Square Meters)

This reports profiles key players in the global DCB and AMB Substrates for Power Modules market based on the following parameters – headquarters, production locations, products portfolio, DCB and AMB Substrates for Power Modules revenue, sales, average price and gross margin, recent developments.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World DCB and AMB Substrates for Power Modules market

### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Square Meters) and average price (US\$/Square Meter) by manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

### Global DCB and AMB Substrates for Power Modules Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

### Global DCB and AMB Substrates for Power Modules Market, Segmentation by Type

DBC Ceramic Substrates

AMB Ceramic Substrate

### Global DCB and AMB Substrates for Power Modules Market, Segmentation by Application

Automotive Power Modules

PV and Wind Power

Industrial Drives

Rail Transport

Others

Companies Profiled:

Rogers/Curamik

KCC

Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics)

Heraeus Electronics

Kyocera

NGK Electronics Devices

Littelfuse IXYS

DENKA

DOWA METALTECH

Amogreentech

Remtec

Stellar Industries Corp

Tong Hsing (acquired HCS)

Nanjing Zhongjiang New Material Science & Technology

Zibo Linzi Yinhe High-Tech Development

BYD

Shengda Tech

Shenzhen Xinzhou Electronic Technology

Zhejiang TC Ceramic Electronic

Shengda Tech

Beijing Moshi Technology

Nantong Winspower

Wuxi Tianyang Electronics

#### Key Questions Answered

1. How big is the global DCB and AMB Substrates for Power Modules market?
2. What is the demand of the global DCB and AMB Substrates for Power Modules market?
3. What is the year over year growth of the global DCB and AMB Substrates for Power Modules market?
4. What is the production and production value of the global DCB and AMB Substrates for Power Modules market?
5. Who are the key producers in the global DCB and AMB Substrates for Power Modules market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 DCB and AMB Substrates for Power Modules Introduction
- 1.2 World DCB and AMB Substrates for Power Modules Supply & Forecast
  - 1.2.1 World DCB and AMB Substrates for Power Modules Production Value (2017 & 2021 & 2028)
  - 1.2.2 World DCB and AMB Substrates for Power Modules Production (2017-2028)
  - 1.2.3 World DCB and AMB Substrates for Power Modules Pricing Trends (2017-2028)
- 1.3 World DCB and AMB Substrates for Power Modules Production by Region
  - 1.3.1 World DCB and AMB Substrates for Power Modules Production Value by Region (2017-2028)
  - 1.3.2 World DCB and AMB Substrates for Power Modules Production by Region (2017-2028)
  - 1.3.3 World DCB and AMB Substrates for Power Modules Average Price by Region (2017-2028)
  - 1.3.4 Europe DCB and AMB Substrates for Power Modules Production (2017-2028)
  - 1.3.5 Japan DCB and AMB Substrates for Power Modules Production (2017-2028)
  - 1.3.6 South Korea DCB and AMB Substrates for Power Modules Production (2017-2028)
  - 1.3.7 China DCB and AMB Substrates for Power Modules Production (2017-2028)
  - 1.3.8 North America DCB and AMB Substrates for Power Modules Production (2017-2028)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 DCB and AMB Substrates for Power Modules Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 DCB and AMB Substrates for Power Modules Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World DCB and AMB Substrates for Power Modules Demand (2017-2028)
- 2.2 World DCB and AMB Substrates for Power Modules Consumption by Region
  - 2.2.1 World DCB and AMB Substrates for Power Modules Consumption by Region (2017-2022)
  - 2.2.2 World DCB and AMB Substrates for Power Modules Consumption Forecast by

## Region (2023-2028)

2.3 United States DCB and AMB Substrates for Power Modules Consumption (2017-2028)

2.4 China DCB and AMB Substrates for Power Modules Consumption (2017-2028)

2.5 Europe DCB and AMB Substrates for Power Modules Consumption (2017-2028)

2.6 Japan DCB and AMB Substrates for Power Modules Consumption (2017-2028)

2.7 South Korea DCB and AMB Substrates for Power Modules Consumption (2017-2028)

2.8 ASEAN DCB and AMB Substrates for Power Modules Consumption (2017-2028)

2.9 India DCB and AMB Substrates for Power Modules Consumption (2017-2028)

## **3 WORLD DCB AND AMB SUBSTRATES FOR POWER MODULES MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World DCB and AMB Substrates for Power Modules Production Value by Manufacturer (2017-2022)

3.2 World DCB and AMB Substrates for Power Modules Production by Manufacturer (2017-2022)

3.3 World DCB and AMB Substrates for Power Modules Average Price by Manufacturer (2017-2022)

3.4 DCB and AMB Substrates for Power Modules Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global DCB and AMB Substrates for Power Modules Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for DCB and AMB Substrates for Power Modules in 2021

3.5.3 Global Concentration Ratios (CR8) for DCB and AMB Substrates for Power Modules in 2021

3.6 DCB and AMB Substrates for Power Modules Market: Overall Company Footprint Analysis

3.6.1 DCB and AMB Substrates for Power Modules Market: Region Footprint

3.6.2 DCB and AMB Substrates for Power Modules Market: Company Product Type Footprint

3.6.3 DCB and AMB Substrates for Power Modules Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

4.1 United States VS China: DCB and AMB Substrates for Power Modules Production Value Comparison

4.1.1 United States VS China: DCB and AMB Substrates for Power Modules Production Value Comparison (2017 & 2021 & 2028)

4.1.2 United States VS China: DCB and AMB Substrates for Power Modules Production Value Market Share Comparison (2017 & 2021 & 2028)

4.2 United States VS China: DCB and AMB Substrates for Power Modules Production Comparison

4.2.1 United States VS China: DCB and AMB Substrates for Power Modules Production Comparison (2017 & 2021 & 2028)

4.2.2 United States VS China: DCB and AMB Substrates for Power Modules Production Market Share Comparison (2017 & 2021 & 2028)

4.3 United States VS China: DCB and AMB Substrates for Power Modules Consumption Comparison

4.3.1 United States VS China: DCB and AMB Substrates for Power Modules Consumption Comparison (2017 & 2021 & 2028)

4.3.2 United States VS China: DCB and AMB Substrates for Power Modules Consumption Market Share Comparison (2017 & 2021 & 2028)

4.4 United States DCB and AMB Substrates for Power Modules Key Producers and Market Share, 2017-2022

4.4.1 Major Manufacturer of DCB and AMB Substrates for Power Modules in United States, Company Headquarters and Production Place (States, Country)

4.4.2 United States DCB and AMB Substrates for Power Modules Production Value by Domestic Manufacturer, (2017-2022)

4.4.3 United States DCB and AMB Substrates for Power Modules Production by Domestic Manufacturer, (2017-2022)

4.5 China DCB and AMB Substrates for Power Modules Key Producers and Market Share, 2017-2022

4.5.1 Major Manufacturer of DCB and AMB Substrates for Power Modules in China, Company Headquarters and Production Place (Province, Country)

4.5.2 China DCB and AMB Substrates for Power Modules Production Value by Domestic Manufacturer, (2017-2022)

4.5.3 China DCB and AMB Substrates for Power Modules Production by Domestic Manufacturer, (2017-2022)

#### 4.6 Rest of World DCB and AMB Substrates for Power Modules Key Producers and Market Share, 2017-2022

4.6.1 Major Manufacturer of DCB and AMB Substrates for Power Modules in Rest of World, Company Headquarters and Production Place (State, Country)

4.6.2 Rest of World DCB and AMB Substrates for Power Modules Production Value by Domestic Manufacturer, (2017-2022)

4.6.3 Rest of World DCB and AMB Substrates for Power Modules Production by Domestic Manufacturer, (2017-2022)

### 5 MARKET ANALYSIS BY TYPE

5.1 World DCB and AMB Substrates for Power Modules Market Size Overview by Type: 2017 VS 2021 VS 2028

5.2 Segment Introduction by Type

5.2.1 DBC Ceramic Substrates

5.2.2 AMB Ceramic Substrate

5.3 Market Segment by Type

5.3.1 World DCB and AMB Substrates for Power Modules Production by Type (2017-2028)

5.3.2 World DCB and AMB Substrates for Power Modules Production Value by Type (2017-2028)

5.3.3 World DCB and AMB Substrates for Power Modules Average Price by Type (2017-2028)

### 6 MARKET ANALYSIS BY APPLICATION

6.1 World DCB and AMB Substrates for Power Modules Market Size Overview by Application: 2017 VS 2021 VS 2028

6.2 Segment Introduction by Application

6.2.1 Automotive Power Modules

6.2.2 PV and Wind Power

6.2.3 Industrial Drives

6.2.4 Rail Transport

6.2.5 Others

6.3 Market Segment by Application

6.3.1 World DCB and AMB Substrates for Power Modules Production by Application (2017-2028)

6.3.2 World DCB and AMB Substrates for Power Modules Production Value by Application (2017-2028)

### 6.3.3 World DCB and AMB Substrates for Power Modules Average Price by Application (2017-2028)

## 7 COMPANY PROFILES

### 7.1 Rogers/Curamik

#### 7.1.1 Rogers/Curamik Details

#### 7.1.2 Rogers/Curamik Major Business

#### 7.1.3 Rogers/Curamik DCB and AMB Substrates for Power Modules Product and Services

#### 7.1.4 Rogers/Curamik DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

#### 7.1.5 Rogers/Curamik Recent Developments/Updates

#### 7.1.6 Rogers/Curamik Competitive Strengths & Weaknesses

### 7.2 KCC

#### 7.2.1 KCC Details

#### 7.2.2 KCC Major Business

#### 7.2.3 KCC DCB and AMB Substrates for Power Modules Product and Services

#### 7.2.4 KCC DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

#### 7.2.5 KCC Recent Developments/Updates

#### 7.2.6 KCC Competitive Strengths & Weaknesses

### 7.3 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics)

#### 7.3.1 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Details

#### 7.3.2 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Major Business

#### 7.3.3 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) DCB and AMB Substrates for Power Modules Product and Services

#### 7.3.4 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

#### 7.3.5 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Recent Developments/Updates

#### 7.3.6 Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Competitive Strengths & Weaknesses

### 7.4 Heraeus Electronics

#### 7.4.1 Heraeus Electronics Details

#### 7.4.2 Heraeus Electronics Major Business

#### 7.4.3 Heraeus Electronics DCB and AMB Substrates for Power Modules Product and Services

7.4.4 Heraeus Electronics DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.4.5 Heraeus Electronics Recent Developments/Updates

7.4.6 Heraeus Electronics Competitive Strengths & Weaknesses

7.5 Kyocera

7.5.1 Kyocera Details

7.5.2 Kyocera Major Business

7.5.3 Kyocera DCB and AMB Substrates for Power Modules Product and Services

7.5.4 Kyocera DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.5.5 Kyocera Recent Developments/Updates

7.5.6 Kyocera Competitive Strengths & Weaknesses

7.6 NGK Electronics Devices

7.6.1 NGK Electronics Devices Details

7.6.2 NGK Electronics Devices Major Business

7.6.3 NGK Electronics Devices DCB and AMB Substrates for Power Modules Product and Services

7.6.4 NGK Electronics Devices DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.6.5 NGK Electronics Devices Recent Developments/Updates

7.6.6 NGK Electronics Devices Competitive Strengths & Weaknesses

7.7 Littelfuse IXYS

7.7.1 Littelfuse IXYS Details

7.7.2 Littelfuse IXYS Major Business

7.7.3 Littelfuse IXYS DCB and AMB Substrates for Power Modules Product and Services

7.7.4 Littelfuse IXYS DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.7.5 Littelfuse IXYS Recent Developments/Updates

7.7.6 Littelfuse IXYS Competitive Strengths & Weaknesses

7.8 DENKA

7.8.1 DENKA Details

7.8.2 DENKA Major Business

7.8.3 DENKA DCB and AMB Substrates for Power Modules Product and Services

7.8.4 DENKA DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.8.5 DENKA Recent Developments/Updates

7.8.6 DENKA Competitive Strengths & Weaknesses

7.9 DOWA METALTECH

- 7.9.1 DOWA METALTECH Details
- 7.9.2 DOWA METALTECH Major Business
- 7.9.3 DOWA METALTECH DCB and AMB Substrates for Power Modules Product and Services
- 7.9.4 DOWA METALTECH DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)
- 7.9.5 DOWA METALTECH Recent Developments/Updates
- 7.9.6 DOWA METALTECH Competitive Strengths & Weaknesses
- 7.10 Amogreentech
  - 7.10.1 Amogreentech Details
  - 7.10.2 Amogreentech Major Business
  - 7.10.3 Amogreentech DCB and AMB Substrates for Power Modules Product and Services
  - 7.10.4 Amogreentech DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)
  - 7.10.5 Amogreentech Recent Developments/Updates
  - 7.10.6 Amogreentech Competitive Strengths & Weaknesses
- 7.11 Remtec
  - 7.11.1 Remtec Details
  - 7.11.2 Remtec Major Business
  - 7.11.3 Remtec DCB and AMB Substrates for Power Modules Product and Services
  - 7.11.4 Remtec DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)
  - 7.11.5 Remtec Recent Developments/Updates
  - 7.11.6 Remtec Competitive Strengths & Weaknesses
- 7.12 Stellar Industries Corp
  - 7.12.1 Stellar Industries Corp Details
  - 7.12.2 Stellar Industries Corp Major Business
  - 7.12.3 Stellar Industries Corp DCB and AMB Substrates for Power Modules Product and Services
  - 7.12.4 Stellar Industries Corp DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)
  - 7.12.5 Stellar Industries Corp Recent Developments/Updates
  - 7.12.6 Stellar Industries Corp Competitive Strengths & Weaknesses
- 7.13 Tong Hsing (acquired HCS)
  - 7.13.1 Tong Hsing (acquired HCS) Details
  - 7.13.2 Tong Hsing (acquired HCS) Major Business
  - 7.13.3 Tong Hsing (acquired HCS) DCB and AMB Substrates for Power Modules Product and Services

7.13.4 Tong Hsing (acquired HCS) DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.13.5 Tong Hsing (acquired HCS) Recent Developments/Updates

7.13.6 Tong Hsing (acquired HCS) Competitive Strengths & Weaknesses

7.14 Nanjing Zhongjiang New Material Science & Technology

7.14.1 Nanjing Zhongjiang New Material Science & Technology Details

7.14.2 Nanjing Zhongjiang New Material Science & Technology Major Business

7.14.3 Nanjing Zhongjiang New Material Science & Technology DCB and AMB Substrates for Power Modules Product and Services

7.14.4 Nanjing Zhongjiang New Material Science & Technology DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.14.5 Nanjing Zhongjiang New Material Science & Technology Recent Developments/Updates

7.14.6 Nanjing Zhongjiang New Material Science & Technology Competitive Strengths & Weaknesses

7.15 Zibo Linzi Yinhe High-Tech Development

7.15.1 Zibo Linzi Yinhe High-Tech Development Details

7.15.2 Zibo Linzi Yinhe High-Tech Development Major Business

7.15.3 Zibo Linzi Yinhe High-Tech Development DCB and AMB Substrates for Power Modules Product and Services

7.15.4 Zibo Linzi Yinhe High-Tech Development DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.15.5 Zibo Linzi Yinhe High-Tech Development Recent Developments/Updates

7.15.6 Zibo Linzi Yinhe High-Tech Development Competitive Strengths & Weaknesses

7.16 BYD

7.16.1 BYD Details

7.16.2 BYD Major Business

7.16.3 BYD DCB and AMB Substrates for Power Modules Product and Services

7.16.4 BYD DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.16.5 BYD Recent Developments/Updates

7.16.6 BYD Competitive Strengths & Weaknesses

7.17 Shengda Tech

7.17.1 Shengda Tech Details

7.17.2 Shengda Tech Major Business

7.17.3 Shengda Tech DCB and AMB Substrates for Power Modules Product and Services

7.17.4 Shengda Tech DCB and AMB Substrates for Power Modules Production, Price,

Value, Gross Margin and Market Share (2017-2022)

7.17.5 Shengda Tech Recent Developments/Updates

7.17.6 Shengda Tech Competitive Strengths & Weaknesses

7.18 Shenzhen Xinzhou Electronic Technology

7.18.1 Shenzhen Xinzhou Electronic Technology Details

7.18.2 Shenzhen Xinzhou Electronic Technology Major Business

7.18.3 Shenzhen Xinzhou Electronic Technology DCB and AMB Substrates for Power Modules Product and Services

7.18.4 Shenzhen Xinzhou Electronic Technology DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.18.5 Shenzhen Xinzhou Electronic Technology Recent Developments/Updates

7.18.6 Shenzhen Xinzhou Electronic Technology Competitive Strengths & Weaknesses

7.19 Zhejiang TC Ceramic Electronic

7.19.1 Zhejiang TC Ceramic Electronic Details

7.19.2 Zhejiang TC Ceramic Electronic Major Business

7.19.3 Zhejiang TC Ceramic Electronic DCB and AMB Substrates for Power Modules Product and Services

7.19.4 Zhejiang TC Ceramic Electronic DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.19.5 Zhejiang TC Ceramic Electronic Recent Developments/Updates

7.19.6 Zhejiang TC Ceramic Electronic Competitive Strengths & Weaknesses

7.20 Shengda Tech

7.20.1 Shengda Tech Details

7.20.2 Shengda Tech Major Business

7.20.3 Shengda Tech DCB and AMB Substrates for Power Modules Product and Services

7.20.4 Shengda Tech DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.20.5 Shengda Tech Recent Developments/Updates

7.20.6 Shengda Tech Competitive Strengths & Weaknesses

7.21 Beijing Moshi Technology

7.21.1 Beijing Moshi Technology Details

7.21.2 Beijing Moshi Technology Major Business

7.21.3 Beijing Moshi Technology DCB and AMB Substrates for Power Modules Product and Services

7.21.4 Beijing Moshi Technology DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.21.5 Beijing Moshi Technology Recent Developments/Updates

- 7.21.6 Beijing Moshi Technology Competitive Strengths & Weaknesses
- 7.22 Nantong Winspace
  - 7.22.1 Nantong Winspace Details
  - 7.22.2 Nantong Winspace Major Business
  - 7.22.3 Nantong Winspace DCB and AMB Substrates for Power Modules Product and Services
  - 7.22.4 Nantong Winspace DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)
  - 7.22.5 Nantong Winspace Recent Developments/Updates
  - 7.22.6 Nantong Winspace Competitive Strengths & Weaknesses
- 7.23 Wuxi Tianyang Electronics
  - 7.23.1 Wuxi Tianyang Electronics Details
  - 7.23.2 Wuxi Tianyang Electronics Major Business
  - 7.23.3 Wuxi Tianyang Electronics DCB and AMB Substrates for Power Modules Product and Services
  - 7.23.4 Wuxi Tianyang Electronics DCB and AMB Substrates for Power Modules Production, Price, Value, Gross Margin and Market Share (2017-2022)
  - 7.23.5 Wuxi Tianyang Electronics Recent Developments/Updates
  - 7.23.6 Wuxi Tianyang Electronics Competitive Strengths & Weaknesses

## **8 RAW MATERIAL AND INDUSTRY CHAIN**

- 8.1 Raw Material of DCB and AMB Substrates for Power Modules and Key Manufacturers
- 8.2 DCB and AMB Substrates for Power Modules Manufacturing Costs
- 8.3 DCB and AMB Substrates for Power Modules Production Process
- 8.4 DCB and AMB Substrates for Power Modules Industrial Chain

## **9 DISTRIBUTION CHANNEL ANALYSIS**

- 9.1 Distribution Channel Breakdown for DCB and AMB Substrates for Power Modules Shipments (%): 2017-2028
  - 9.1.1 Direct Channel
  - 9.1.2 Indirect Channel
- 9.2 DCB and AMB Substrates for Power Modules Typical Distributors
- 9.3 DCB and AMB Substrates for Power Modules Typical Customers

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World DCB and AMB Substrates for Power Modules Production Value by Region (2017, 2022 and 2028) & (USD Million)

Table 2. World DCB and AMB Substrates for Power Modules Production Value by Region (2017-2022) & (USD Million)

Table 3. World DCB and AMB Substrates for Power Modules Production Value by Region (2023-2028) & (USD Million)

Table 4. World DCB and AMB Substrates for Power Modules Production Value Market Share by Region (2017-2022)

Table 5. World DCB and AMB Substrates for Power Modules Production Value Market Share by Region (2023-2028)

Table 6. World DCB and AMB Substrates for Power Modules Production by Region (2017-2022) & (Square Meters)

Table 7. World DCB and AMB Substrates for Power Modules Production by Region (2023-2028) & (Square Meters)

Table 8. World DCB and AMB Substrates for Power Modules Production Market Share by Region (2017-2022)

Table 9. World DCB and AMB Substrates for Power Modules Production Market Share by Region (2023-2028)

Table 10. World DCB and AMB Substrates for Power Modules Average Price by Region (2017-2022) & (US\$/Square Meter)

Table 11. World DCB and AMB Substrates for Power Modules Average Price by Region (2023-2028) & (US\$/Square Meter)

Table 12. DCB and AMB Substrates for Power Modules Major Market Trends

Table 13. World DCB and AMB Substrates for Power Modules Consumption Growth Rate Forecast by Region (2017 & 2021 & 2028) & (Square Meters)

Table 14. World DCB and AMB Substrates for Power Modules Consumption by Region (2017-2022) & (Square Meters)

Table 15. World DCB and AMB Substrates for Power Modules Consumption Forecast by Region (2023-2028) & (Square Meters)

Table 16. World DCB and AMB Substrates for Power Modules Production Value by Manufacturer (2017-2022) & (USD Million)

Table 17. Production Value Market Share of Key DCB and AMB Substrates for Power Modules Producers in 2021

Table 18. World DCB and AMB Substrates for Power Modules Production by Manufacturer (2017-2022) & (Square Meters)

Table 19. Production Market Share of Key DCB and AMB Substrates for Power Modules Producers in 2021

Table 20. World DCB and AMB Substrates for Power Modules Average Price by Manufacturer (2017-2022) & (US\$/Square Meter)

Table 21. Global DCB and AMB Substrates for Power Modules Company Evaluation Quadrant

Table 22. World DCB and AMB Substrates for Power Modules Industry Rank of Major Manufacturers, Based on Production Value in 2021

Table 23. Head Office and DCB and AMB Substrates for Power Modules Production Site of Key Manufacturer

Table 24. DCB and AMB Substrates for Power Modules Market: Company Product Type Footprint

Table 25. DCB and AMB Substrates for Power Modules Market: Company Product Application Footprint

Table 26. DCB and AMB Substrates for Power Modules Competitive Factors

Table 27. DCB and AMB Substrates for Power Modules New Entrant and Capacity Expansion Plans

Table 28. DCB and AMB Substrates for Power Modules Mergers & Acquisitions Activity

Table 29. United States VS China DCB and AMB Substrates for Power Modules Production Value Comparison, (2017 & 2021 & 2028) & (USD Million)

Table 30. United States VS China DCB and AMB Substrates for Power Modules Production Comparison, (2017 & 2021 & 2028) & (Square Meters)

Table 31. United States VS China DCB and AMB Substrates for Power Modules Consumption Comparison, (2017 & 2021 & 2028) & (Square Meters)

Table 32. Major Manufacturer of DCB and AMB Substrates for Power Modules in United States, Company Headquarters and Production Place (States, Country)

Table 33. United States DCB and AMB Substrates for Power Modules Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 34. United States DCB and AMB Substrates for Power Modules Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 35. United States DCB and AMB Substrates for Power Modules Production by Domestic Manufacturer, (2017-2022) & (Square Meters)

Table 36. United States DCB and AMB Substrates for Power Modules Production Market Share by Domestic Manufacturer, (2017-2022)

Table 37. Major Manufacturer of DCB and AMB Substrates for Power Modules in China, Company Headquarters and Production Place (Province, Country)

Table 38. China DCB and AMB Substrates for Power Modules Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 39. China DCB and AMB Substrates for Power Modules Production Value Market

Share by Domestic Manufacturer, (2017-2022)

Table 40. China DCB and AMB Substrates for Power Modules Production by Domestic Manufacturer, (2017-2022) & (Square Meters)

Table 41. China DCB and AMB Substrates for Power Modules Production Market Share by Domestic Manufacturer, (2017-2022)

Table 42. Major Manufacturer of DCB and AMB Substrates for Power Modules in Rest of World, Company Headquarters and Production Place (State, Country)

Table 43. Rest of World DCB and AMB Substrates for Power Modules Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 44. Rest of World DCB and AMB Substrates for Power Modules Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 45. Rest of World DCB and AMB Substrates for Power Modules Production by Domestic Manufacturer, (2017-2022) & (Square Meters)

Table 46. Rest of World DCB and AMB Substrates for Power Modules Production Market Share by Domestic Manufacturer, (2017-2022)

Table 47. World DCB and AMB Substrates for Power Modules Production Value by Type, (USD Million), 2017 & 2021 & 2028

Table 48. World DCB and AMB Substrates for Power Modules Production by Type (2017-2022) & (Square Meters)

Table 49. World DCB and AMB Substrates for Power Modules Production by Type (2023-2028) & (Square Meters)

Table 50. World DCB and AMB Substrates for Power Modules Production Value by Type (2017-2022) & (USD Million)

Table 51. World DCB and AMB Substrates for Power Modules Production Value by Type (2023-2028) & (USD Million)

Table 52. World DCB and AMB Substrates for Power Modules Average Price by Type (2017-2022) & (US\$/Square Meter)

Table 53. World DCB and AMB Substrates for Power Modules Average Price by Type (2023-2028) & (US\$/Square Meter)

Table 54. World DCB and AMB Substrates for Power Modules Production Value by Application, (USD Million), 2017 & 2021 & 2028

Table 55. World DCB and AMB Substrates for Power Modules Production by Application (2017-2022) & (Square Meters)

Table 56. World DCB and AMB Substrates for Power Modules Production by Application (2023-2028) & (Square Meters)

Table 57. World DCB and AMB Substrates for Power Modules Production Value by Application (2017-2022) & (USD Million)

Table 58. World DCB and AMB Substrates for Power Modules Production Value by Application (2023-2028) & (USD Million)

Table 59. World DCB and AMB Substrates for Power Modules Average Price by Application (2017-2022) & (US\$/Square Meter)

Table 60. World DCB and AMB Substrates for Power Modules Average Price by Application (2023-2028) & (US\$/Square Meter)

Table 61. Rogers/Curamik Basic Information, Manufacturing Base and Competitors

Table 62. Rogers/Curamik Major Business

Table 63. Rogers/Curamik DCB and AMB Substrates for Power Modules Product and Services

Table 64. Rogers/Curamik DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 65. Rogers/Curamik Recent Developments/Updates

Table 66. Rogers/Curamik Competitive Strengths & Weaknesses

Table 67. KCC Basic Information, Manufacturing Base and Competitors

Table 68. KCC Major Business

Table 69. KCC DCB and AMB Substrates for Power Modules Product and Services

Table 70. KCC DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 71. KCC Recent Developments/Updates

Table 72. KCC Competitive Strengths & Weaknesses

Table 73. Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Basic Information, Manufacturing Base and Competitors

Table 74. Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Major Business

Table 75. Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) DCB and AMB Substrates for Power Modules Product and Services

Table 76. Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 77. Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Recent Developments/Updates

Table 78. Ferrotec (Shanghai Shenhe Thermo-Magnetics Electronics) Competitive Strengths & Weaknesses

Table 79. Heraeus Electronics Basic Information, Manufacturing Base and Competitors

Table 80. Heraeus Electronics Major Business

Table 81. Heraeus Electronics DCB and AMB Substrates for Power Modules Product and Services

Table 82. Heraeus Electronics DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross

**Margin and Market Share (2017-2022)**

Table 83. Heraeus Electronics Recent Developments/Updates

Table 84. Heraeus Electronics Competitive Strengths &amp; Weaknesses

Table 85. Kyocera Basic Information, Manufacturing Base and Competitors

Table 86. Kyocera Major Business

Table 87. Kyocera DCB and AMB Substrates for Power Modules Product and Services

Table 88. Kyocera DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 89. Kyocera Recent Developments/Updates

Table 90. Kyocera Competitive Strengths &amp; Weaknesses

Table 91. NGK Electronics Devices Basic Information, Manufacturing Base and Competitors

Table 92. NGK Electronics Devices Major Business

Table 93. NGK Electronics Devices DCB and AMB Substrates for Power Modules Product and Services

Table 94. NGK Electronics Devices DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 95. NGK Electronics Devices Recent Developments/Updates

Table 96. NGK Electronics Devices Competitive Strengths &amp; Weaknesses

Table 97. Littelfuse IXYS Basic Information, Manufacturing Base and Competitors

Table 98. Littelfuse IXYS Major Business

Table 99. Littelfuse IXYS DCB and AMB Substrates for Power Modules Product and Services

Table 100. Littelfuse IXYS DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 101. Littelfuse IXYS Recent Developments/Updates

Table 102. Littelfuse IXYS Competitive Strengths &amp; Weaknesses

Table 103. DENKA Basic Information, Manufacturing Base and Competitors

Table 104. DENKA Major Business

Table 105. DENKA DCB and AMB Substrates for Power Modules Product and Services

Table 106. DENKA DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 107. DENKA Recent Developments/Updates

Table 108. DENKA Competitive Strengths &amp; Weaknesses

Table 109. DOWA METALTECH Basic Information, Manufacturing Base and

## Competitors

Table 110. DOWA METALTECH Major Business

Table 111. DOWA METALTECH DCB and AMB Substrates for Power Modules Product and Services

Table 112. DOWA METALTECH DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 113. DOWA METALTECH Recent Developments/Updates

Table 114. DOWA METALTECH Competitive Strengths & Weaknesses

Table 115. Amogreentech Basic Information, Manufacturing Base and Competitors

Table 116. Amogreentech Major Business

Table 117. Amogreentech DCB and AMB Substrates for Power Modules Product and Services

Table 118. Amogreentech DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 119. Amogreentech Recent Developments/Updates

Table 120. Amogreentech Competitive Strengths & Weaknesses

Table 121. Remtec Basic Information, Manufacturing Base and Competitors

Table 122. Remtec Major Business

Table 123. Remtec DCB and AMB Substrates for Power Modules Product and Services

Table 124. Remtec DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 125. Remtec Recent Developments/Updates

Table 126. Remtec Competitive Strengths & Weaknesses

Table 127. Stellar Industries Corp Basic Information, Manufacturing Base and Competitors

Table 128. Stellar Industries Corp Major Business

Table 129. Stellar Industries Corp DCB and AMB Substrates for Power Modules Product and Services

Table 130. Stellar Industries Corp DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 131. Stellar Industries Corp Recent Developments/Updates

Table 132. Stellar Industries Corp Competitive Strengths & Weaknesses

Table 133. Tong Hsing (acquired HCS) Basic Information, Manufacturing Base and Competitors

Table 134. Tong Hsing (acquired HCS) Major Business

Table 135. Tong Hsing (acquired HCS) DCB and AMB Substrates for Power Modules Product and Services

Table 136. Tong Hsing (acquired HCS) DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 137. Tong Hsing (acquired HCS) Recent Developments/Updates

Table 138. Tong Hsing (acquired HCS) Competitive Strengths & Weaknesses

Table 139. Nanjing Zhongjiang New Material Science & Technology Basic Information, Manufacturing Base and Competitors

Table 140. Nanjing Zhongjiang New Material Science & Technology Major Business

Table 141. Nanjing Zhongjiang New Material Science & Technology DCB and AMB Substrates for Power Modules Product and Services

Table 142. Nanjing Zhongjiang New Material Science & Technology DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 143. Nanjing Zhongjiang New Material Science & Technology Recent Developments/Updates

Table 144. Nanjing Zhongjiang New Material Science & Technology Competitive Strengths & Weaknesses

Table 145. Zibo Linzi Yinhe High-Tech Development Basic Information, Manufacturing Base and Competitors

Table 146. Zibo Linzi Yinhe High-Tech Development Major Business

Table 147. Zibo Linzi Yinhe High-Tech Development DCB and AMB Substrates for Power Modules Product and Services

Table 148. Zibo Linzi Yinhe High-Tech Development DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 149. Zibo Linzi Yinhe High-Tech Development Recent Developments/Updates

Table 150. Zibo Linzi Yinhe High-Tech Development Competitive Strengths & Weaknesses

Table 151. BYD Basic Information, Manufacturing Base and Competitors

Table 152. BYD Major Business

Table 153. BYD DCB and AMB Substrates for Power Modules Product and Services

Table 154. BYD DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 155. BYD Recent Developments/Updates

Table 156. BYD Competitive Strengths & Weaknesses

Table 157. Shengda Tech Basic Information, Manufacturing Base and Competitors

Table 158. Shengda Tech Major Business

Table 159. Shengda Tech DCB and AMB Substrates for Power Modules Product and Services

Table 160. Shengda Tech DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 161. Shengda Tech Recent Developments/Updates

Table 162. Shengda Tech Competitive Strengths & Weaknesses

Table 163. Shenzhen Xinzhou Electronic Technology Basic Information, Manufacturing Base and Competitors

Table 164. Shenzhen Xinzhou Electronic Technology Major Business

Table 165. Shenzhen Xinzhou Electronic Technology DCB and AMB Substrates for Power Modules Product and Services

Table 166. Shenzhen Xinzhou Electronic Technology DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 167. Shenzhen Xinzhou Electronic Technology Recent Developments/Updates

Table 168. Shenzhen Xinzhou Electronic Technology Competitive Strengths & Weaknesses

Table 169. Zhejiang TC Ceramic Electronic Basic Information, Manufacturing Base and Competitors

Table 170. Zhejiang TC Ceramic Electronic Major Business

Table 171. Zhejiang TC Ceramic Electronic DCB and AMB Substrates for Power Modules Product and Services

Table 172. Zhejiang TC Ceramic Electronic DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 173. Zhejiang TC Ceramic Electronic Recent Developments/Updates

Table 174. Zhejiang TC Ceramic Electronic Competitive Strengths & Weaknesses

Table 175. Shengda Tech Basic Information, Manufacturing Base and Competitors

Table 176. Shengda Tech Major Business

Table 177. Shengda Tech DCB and AMB Substrates for Power Modules Product and Services

Table 178. Shengda Tech DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 179. Shengda Tech Recent Developments/Updates

Table 180. Shengda Tech Competitive Strengths & Weaknesses

Table 181. Beijing Moshi Technology Basic Information, Manufacturing Base and

## Competitors

Table 182. Beijing Moshi Technology Major Business

Table 183. Beijing Moshi Technology DCB and AMB Substrates for Power Modules Product and Services

Table 184. Beijing Moshi Technology DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 185. Beijing Moshi Technology Recent Developments/Updates

Table 186. Beijing Moshi Technology Competitive Strengths & Weaknesses

Table 187. Nantong Winspower Basic Information, Manufacturing Base and Competitors

Table 188. Nantong Winspower Major Business

Table 189. Nantong Winspower DCB and AMB Substrates for Power Modules Product and Services

Table 190. Nantong Winspower DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 191. Nantong Winspower Recent Developments/Updates

Table 192. Wuxi Tianyang Electronics Basic Information, Manufacturing Base and Competitors

Table 193. Wuxi Tianyang Electronics Major Business

Table 194. Wuxi Tianyang Electronics DCB and AMB Substrates for Power Modules Product and Services

Table 195. Wuxi Tianyang Electronics DCB and AMB Substrates for Power Modules Production (Square Meters), Price (US\$/Square Meter), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 196. DCB and AMB Substrates for Power Modules Raw Material

Table 197. Key Manufacturers of DCB and AMB Substrates for Power Modules Raw Materials

Table 198. DCB and AMB Substrates for Power Modules Typical Distributors

Table 199. DCB and AMB Substrates for Power Modules Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. DCB and AMB Substrates for Power Modules Picture

Figure 2. World DCB and AMB Substrates for Power Modules Production Value: 2017 & 2021 & 2028, (USD Million)

Figure 3. World DCB and AMB Substrates for Power Modules Production Value and Forecast (2017-2028) & (USD Million)

Figure 4. World DCB and AMB Substrates for Power Modules Production (2017-2028) & (Square Meters)

Figure 5. World DCB and AMB Substrates for Power Modules Average Price (2017-2028) & (US\$/Square Meter)

Figure 6. World DCB and AMB Substrates for Power Modules Production Value Market Share by Region (2017-2028)

Figure 7. World DCB and AMB Substrates for Power Modules Production Market Share by Region (2017-2028)

Figure 8. Europe DCB and AMB Substrates for Power Modules Production (2017-2028) & (Square Meters)

Figure 9. Japan DCB and AMB Substrates for Power Modules Production (2017-2028) & (Square Meters)

Figure 10. South Korea DCB and AMB Substrates for Power Modules Production (2017-2028) & (Square Meters)

Figure 11. China DCB and AMB Substrates for Power Modules Production (2017-2028) & (Square Meters)

Figure 12. North America DCB and AMB Substrates for Power Modules Production (2017-2028) & (Square Meters)

Figure 13. DCB and AMB Substrates for Power Modules Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World DCB and AMB Substrates for Power Modules Demand (2017-2028) & (Square Meters)

Figure 16. World DCB and AMB Substrates for Power Modules Consumption Market Share by Region (2017-2028)

Figure 17. United States DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)

Figure 18. China DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)

Figure 19. Europe DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)

- Figure 20. Japan DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)
- Figure 21. South Korea DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)
- Figure 22. ASEAN DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)
- Figure 23. India DCB and AMB Substrates for Power Modules Consumption (2017-2028) & (Square Meters)
- Figure 24. Producer Shipments of DCB and AMB Substrates for Power Modules by Manufacturer Revenue (\$MM) and Market Share (%): 2021
- Figure 25. Global Four-firm Concentration Ratios (CR4) for DCB and AMB Substrates for Power Modules Markets in 2021
- Figure 26. Global Four-firm Concentration Ratios (CR8) for DCB and AMB Substrates for Power Modules Markets in 2021
- Figure 27. United States VS China: DCB and AMB Substrates for Power Modules Production Value Market Share Comparison (2017 & 2021 & 2028)
- Figure 28. United States VS China: DCB and AMB Substrates for Power Modules Production Market Share Comparison (2017 & 2021 & 2028)
- Figure 29. United States VS China: DCB and AMB Substrates for Power Modules Consumption Market Share Comparison (2017 & 2021 & 2028)
- Figure 30. Key Producers and Market Share of DCB and AMB Substrates for Power Modules in United States
- Figure 31. Key Producers and Market Share of DCB and AMB Substrates for Power Modules in China
- Figure 32. Key Producers and Market Share of DCB and AMB Substrates for Power Modules in Rest of World
- Figure 33. World DCB and AMB Substrates for Power Modules Production Value by Type, (USD Million), 2017 & 2021 & 2028
- Figure 34. World DCB and AMB Substrates for Power Modules Production Value Market Share by Type in 2021
- Figure 35. DBC Ceramic Substrates
- Figure 36. AMB Ceramic Substrate
- Figure 37. World DCB and AMB Substrates for Power Modules Production Market Share by Type (2017-2028)
- Figure 38. World DCB and AMB Substrates for Power Modules Production Value Market Share by Type (2017-2028)
- Figure 39. World DCB and AMB Substrates for Power Modules Average Price by Type (2017-2028) & (US\$/Square Meter)
- Figure 40. World DCB and AMB Substrates for Power Modules Production Value by

Application, (USD Million), 2017 & 2021 & 2028

Figure 41. World DCB and AMB Substrates for Power Modules Production Value Market Share by Application in 2021

Figure 42. Automotive Power Modules

Figure 43. PV and Wind Power

Figure 44. Industrial Drives

Figure 45. Rail Transport

Figure 46. Others

Figure 47. World DCB and AMB Substrates for Power Modules Production Market Share by Application (2017-2028)

Figure 48. World DCB and AMB Substrates for Power Modules Production Value Market Share by Application (2017-2028)

Figure 49. World DCB and AMB Substrates for Power Modules Average Price by Application (2017-2028) & (US\$/Square Meter)

Figure 50. Manufacturing Cost Structure Analysis of DCB and AMB Substrates for Power Modules in 2021

Figure 51. Manufacturing Process Analysis of DCB and AMB Substrates for Power Modules

Figure 52. DCB and AMB Substrates for Power Modules Industrial Chain

Figure 53. Distribution Channel Breakdown for DCB and AMB Substrates for Power Modules Shipments (%): 2017-2028

Figure 54. Direct Channel Pros & Cons

Figure 55. Indirect Channel Pros & Cons

Figure 56. Methodology

Figure 57. Research Process and Data Source

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