

# Global Single-junction GaAs Solar Cell Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GAEB3FB0D399EN.html>

Date: November 2025

Pages: 91

Price: US\$ 3,480.00 (Single User License)

ID: GAEB3FB0D399EN

## Abstracts

According to our (Global Info Research) latest study, the global Single-junction GaAs Solar Cell market size was valued at US\$ 141 million in 2024 and is forecast to a readjusted size of USD 222 million by 2031 with a CAGR of 6.8% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

A Single-junction GaAs (Gallium Arsenide) Solar Cell is a type of photovoltaic device that uses a single p-n junction made from gallium arsenide to convert sunlight into electricity. GaAs is a compound semiconductor material known for its high efficiency in absorbing sunlight and converting it into electrical energy. These solar cells are popular due to their high power conversion efficiency, superior performance in low-light conditions, and resistance to radiation damage, making them suitable for space applications and high-performance solar panels. However, they are more expensive to produce compared to traditional silicon-based solar cells.

This report is a detailed and comprehensive analysis for global Single-junction GaAs Solar Cell market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Single-junction GaAs Solar Cell market size and forecasts, in consumption value (\$ Million), sales quantity (KW), and average selling prices (US\$/KW), 2020-2031

Global Single-junction GaAs Solar Cell market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (KW), and average selling prices (US\$/KW), 2020-2031

Global Single-junction GaAs Solar Cell market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (KW), and average selling prices (US\$/KW), 2020-2031

Global Single-junction GaAs Solar Cell market shares of main players, shipments in revenue (\$ Million), sales quantity (KW), and ASP (US\$/KW), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Single-junction GaAs Solar Cell

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Single-junction GaAs Solar Cell market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Spectrolab, AZUR SPACE, Rocket Lab, Nanchang Kaixun Photoelectric, DR Technology, Shanghai Institute of Space Power-Sources, Xiamen Changelight, Uniwatt Technology, China Power Technology, CESI, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Single-junction GaAs Solar Cell market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Aviation Grade

Civilian Grade

#### Market segment by Application

UAV

Aerospace

Photovoltaic Power Generation

Others

#### Major players covered

Spectrolab

AZUR SPACE

Rocket Lab

Nanchang Kaixun Photoelectric

DR Technology

Shanghai Institute of Space Power-Sources

Xiamen Changelight

Uniwatt Technology

China Power Technology

CESI

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Single-junction GaAs Solar Cell product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Single-junction GaAs Solar Cell, with price, sales quantity, revenue, and global market share of Single-junction GaAs Solar Cell from 2020 to 2025.

Chapter 3, the Single-junction GaAs Solar Cell competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Single-junction GaAs Solar Cell breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions,

from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Single-junction GaAs Solar Cell market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Single-junction GaAs Solar Cell.

Chapter 14 and 15, to describe Single-junction GaAs Solar Cell sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Single-junction GaAs Solar Cell Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Aviation Grade

1.3.3 Civilian Grade

1.4 Market Analysis by Application

1.4.1 Overview: Global Single-junction GaAs Solar Cell Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 UAV

1.4.3 Aerospace

1.4.4 Photovoltaic Power Generation

1.4.5 Others

1.5 Global Single-junction GaAs Solar Cell Market Size & Forecast

1.5.1 Global Single-junction GaAs Solar Cell Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Single-junction GaAs Solar Cell Sales Quantity (2020-2031)

1.5.3 Global Single-junction GaAs Solar Cell Average Price (2020-2031)

### 2 MANUFACTURERS PROFILES

2.1 Spectrolab

2.1.1 Spectrolab Details

2.1.2 Spectrolab Major Business

2.1.3 Spectrolab Single-junction GaAs Solar Cell Product and Services

2.1.4 Spectrolab Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Spectrolab Recent Developments/Updates

2.2 AZUR SPACE

2.2.1 AZUR SPACE Details

2.2.2 AZUR SPACE Major Business

2.2.3 AZUR SPACE Single-junction GaAs Solar Cell Product and Services

2.2.4 AZUR SPACE Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.2.5 AZUR SPACE Recent Developments/Updates
- 2.3 Rocket Lab
  - 2.3.1 Rocket Lab Details
  - 2.3.2 Rocket Lab Major Business
  - 2.3.3 Rocket Lab Single-junction GaAs Solar Cell Product and Services
  - 2.3.4 Rocket Lab Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.3.5 Rocket Lab Recent Developments/Updates
- 2.4 Nanchang Kaixun Photoelectric
  - 2.4.1 Nanchang Kaixun Photoelectric Details
  - 2.4.2 Nanchang Kaixun Photoelectric Major Business
  - 2.4.3 Nanchang Kaixun Photoelectric Single-junction GaAs Solar Cell Product and Services
  - 2.4.4 Nanchang Kaixun Photoelectric Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.4.5 Nanchang Kaixun Photoelectric Recent Developments/Updates
- 2.5 DR Technology
  - 2.5.1 DR Technology Details
  - 2.5.2 DR Technology Major Business
  - 2.5.3 DR Technology Single-junction GaAs Solar Cell Product and Services
  - 2.5.4 DR Technology Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.5.5 DR Technology Recent Developments/Updates
- 2.6 Shanghai Institute of Space Power-Sources
  - 2.6.1 Shanghai Institute of Space Power-Sources Details
  - 2.6.2 Shanghai Institute of Space Power-Sources Major Business
  - 2.6.3 Shanghai Institute of Space Power-Sources Single-junction GaAs Solar Cell Product and Services
  - 2.6.4 Shanghai Institute of Space Power-Sources Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.6.5 Shanghai Institute of Space Power-Sources Recent Developments/Updates
- 2.7 Xiamen Changelight
  - 2.7.1 Xiamen Changelight Details
  - 2.7.2 Xiamen Changelight Major Business
  - 2.7.3 Xiamen Changelight Single-junction GaAs Solar Cell Product and Services
  - 2.7.4 Xiamen Changelight Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.7.5 Xiamen Changelight Recent Developments/Updates
- 2.8 Uniwatt Technology

- 2.8.1 Uniwatt Technology Details
- 2.8.2 Uniwatt Technology Major Business
- 2.8.3 Uniwatt Technology Single-junction GaAs Solar Cell Product and Services
- 2.8.4 Uniwatt Technology Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Uniwatt Technology Recent Developments/Updates
- 2.9 China Power Technology
  - 2.9.1 China Power Technology Details
  - 2.9.2 China Power Technology Major Business
  - 2.9.3 China Power Technology Single-junction GaAs Solar Cell Product and Services
  - 2.9.4 China Power Technology Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.9.5 China Power Technology Recent Developments/Updates
- 2.10 CESI
  - 2.10.1 CESI Details
  - 2.10.2 CESI Major Business
  - 2.10.3 CESI Single-junction GaAs Solar Cell Product and Services
  - 2.10.4 CESI Single-junction GaAs Solar Cell Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.10.5 CESI Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SINGLE-JUNCTION GAAS SOLAR CELL BY MANUFACTURER**

- 3.1 Global Single-junction GaAs Solar Cell Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Single-junction GaAs Solar Cell Revenue by Manufacturer (2020-2025)
- 3.3 Global Single-junction GaAs Solar Cell Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
  - 3.4.1 Producer Shipments of Single-junction GaAs Solar Cell by Manufacturer Revenue (\$MM) and Market Share (%): 2024
  - 3.4.2 Top 3 Single-junction GaAs Solar Cell Manufacturer Market Share in 2024
  - 3.4.3 Top 6 Single-junction GaAs Solar Cell Manufacturer Market Share in 2024
- 3.5 Single-junction GaAs Solar Cell Market: Overall Company Footprint Analysis
  - 3.5.1 Single-junction GaAs Solar Cell Market: Region Footprint
  - 3.5.2 Single-junction GaAs Solar Cell Market: Company Product Type Footprint
  - 3.5.3 Single-junction GaAs Solar Cell Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

### 4.1 Global Single-junction GaAs Solar Cell Market Size by Region

4.1.1 Global Single-junction GaAs Solar Cell Sales Quantity by Region (2020-2031)

4.1.2 Global Single-junction GaAs Solar Cell Consumption Value by Region (2020-2031)

4.1.3 Global Single-junction GaAs Solar Cell Average Price by Region (2020-2031)

4.2 North America Single-junction GaAs Solar Cell Consumption Value (2020-2031)

4.3 Europe Single-junction GaAs Solar Cell Consumption Value (2020-2031)

4.4 Asia-Pacific Single-junction GaAs Solar Cell Consumption Value (2020-2031)

4.5 South America Single-junction GaAs Solar Cell Consumption Value (2020-2031)

4.6 Middle East & Africa Single-junction GaAs Solar Cell Consumption Value (2020-2031)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2031)

5.2 Global Single-junction GaAs Solar Cell Consumption Value by Type (2020-2031)

5.3 Global Single-junction GaAs Solar Cell Average Price by Type (2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2031)

6.2 Global Single-junction GaAs Solar Cell Consumption Value by Application (2020-2031)

6.3 Global Single-junction GaAs Solar Cell Average Price by Application (2020-2031)

## **7 NORTH AMERICA**

7.1 North America Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2031)

7.2 North America Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2031)

7.3 North America Single-junction GaAs Solar Cell Market Size by Country

7.3.1 North America Single-junction GaAs Solar Cell Sales Quantity by Country (2020-2031)

7.3.2 North America Single-junction GaAs Solar Cell Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

### 7.3.5 Mexico Market Size and Forecast (2020-2031)

## 8 EUROPE

### 8.1 Europe Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2031)

### 8.2 Europe Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2031)

### 8.3 Europe Single-junction GaAs Solar Cell Market Size by Country

#### 8.3.1 Europe Single-junction GaAs Solar Cell Sales Quantity by Country (2020-2031)

#### 8.3.2 Europe Single-junction GaAs Solar Cell Consumption Value by Country (2020-2031)

#### 8.3.3 Germany Market Size and Forecast (2020-2031)

#### 8.3.4 France Market Size and Forecast (2020-2031)

#### 8.3.5 United Kingdom Market Size and Forecast (2020-2031)

#### 8.3.6 Russia Market Size and Forecast (2020-2031)

#### 8.3.7 Italy Market Size and Forecast (2020-2031)

## 9 ASIA-PACIFIC

### 9.1 Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2031)

### 9.2 Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2031)

### 9.3 Asia-Pacific Single-junction GaAs Solar Cell Market Size by Region

#### 9.3.1 Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Region (2020-2031)

#### 9.3.2 Asia-Pacific Single-junction GaAs Solar Cell Consumption Value by Region (2020-2031)

#### 9.3.3 China Market Size and Forecast (2020-2031)

#### 9.3.4 Japan Market Size and Forecast (2020-2031)

#### 9.3.5 South Korea Market Size and Forecast (2020-2031)

#### 9.3.6 India Market Size and Forecast (2020-2031)

#### 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

#### 9.3.8 Australia Market Size and Forecast (2020-2031)

## 10 SOUTH AMERICA

### 10.1 South America Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2031)

### 10.2 South America Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2031)

### 10.3 South America Single-junction GaAs Solar Cell Market Size by Country

10.3.1 South America Single-junction GaAs Solar Cell Sales Quantity by Country (2020-2031)

10.3.2 South America Single-junction GaAs Solar Cell Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

## 11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Single-junction GaAs Solar Cell Market Size by Country

11.3.1 Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Single-junction GaAs Solar Cell Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

## 12 MARKET DYNAMICS

12.1 Single-junction GaAs Solar Cell Market Drivers

12.2 Single-junction GaAs Solar Cell Market Restraints

12.3 Single-junction GaAs Solar Cell Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## 13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Single-junction GaAs Solar Cell and Key Manufacturers

- 13.2 Manufacturing Costs Percentage of Single-junction GaAs Solar Cell
- 13.3 Single-junction GaAs Solar Cell Production Process
- 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Single-junction GaAs Solar Cell Typical Distributors
- 14.3 Single-junction GaAs Solar Cell Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Single-junction GaAs Solar Cell Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Single-junction GaAs Solar Cell Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Spectrolab Basic Information, Manufacturing Base and Competitors

Table 4. Spectrolab Major Business

Table 5. Spectrolab Single-junction GaAs Solar Cell Product and Services

Table 6. Spectrolab Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Spectrolab Recent Developments/Updates

Table 8. AZUR SPACE Basic Information, Manufacturing Base and Competitors

Table 9. AZUR SPACE Major Business

Table 10. AZUR SPACE Single-junction GaAs Solar Cell Product and Services

Table 11. AZUR SPACE Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. AZUR SPACE Recent Developments/Updates

Table 13. Rocket Lab Basic Information, Manufacturing Base and Competitors

Table 14. Rocket Lab Major Business

Table 15. Rocket Lab Single-junction GaAs Solar Cell Product and Services

Table 16. Rocket Lab Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Rocket Lab Recent Developments/Updates

Table 18. Nanchang Kaixun Photoelectric Basic Information, Manufacturing Base and Competitors

Table 19. Nanchang Kaixun Photoelectric Major Business

Table 20. Nanchang Kaixun Photoelectric Single-junction GaAs Solar Cell Product and Services

Table 21. Nanchang Kaixun Photoelectric Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Nanchang Kaixun Photoelectric Recent Developments/Updates

Table 23. DR Technology Basic Information, Manufacturing Base and Competitors

Table 24. DR Technology Major Business

Table 25. DR Technology Single-junction GaAs Solar Cell Product and Services

Table 26. DR Technology Single-junction GaAs Solar Cell Sales Quantity (KW),

Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. DR Technology Recent Developments/Updates

Table 28. Shanghai Institute of Space Power-Sources Basic Information, Manufacturing Base and Competitors

Table 29. Shanghai Institute of Space Power-Sources Major Business

Table 30. Shanghai Institute of Space Power-Sources Single-junction GaAs Solar Cell Product and Services

Table 31. Shanghai Institute of Space Power-Sources Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Shanghai Institute of Space Power-Sources Recent Developments/Updates

Table 33. Xiamen Changelight Basic Information, Manufacturing Base and Competitors

Table 34. Xiamen Changelight Major Business

Table 35. Xiamen Changelight Single-junction GaAs Solar Cell Product and Services

Table 36. Xiamen Changelight Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Xiamen Changelight Recent Developments/Updates

Table 38. Uniwatt Technology Basic Information, Manufacturing Base and Competitors

Table 39. Uniwatt Technology Major Business

Table 40. Uniwatt Technology Single-junction GaAs Solar Cell Product and Services

Table 41. Uniwatt Technology Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Uniwatt Technology Recent Developments/Updates

Table 43. China Power Technology Basic Information, Manufacturing Base and Competitors

Table 44. China Power Technology Major Business

Table 45. China Power Technology Single-junction GaAs Solar Cell Product and Services

Table 46. China Power Technology Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. China Power Technology Recent Developments/Updates

Table 48. CESI Basic Information, Manufacturing Base and Competitors

Table 49. CESI Major Business

Table 50. CESI Single-junction GaAs Solar Cell Product and Services

Table 51. CESI Single-junction GaAs Solar Cell Sales Quantity (KW), Average Price

(US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. CESI Recent Developments/Updates

Table 53. Global Single-junction GaAs Solar Cell Sales Quantity by Manufacturer (2020-2025) & (KW)

Table 54. Global Single-junction GaAs Solar Cell Revenue by Manufacturer (2020-2025) & (USD Million)

Table 55. Global Single-junction GaAs Solar Cell Average Price by Manufacturer (2020-2025) & (US\$/KW)

Table 56. Market Position of Manufacturers in Single-junction GaAs Solar Cell, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 57. Head Office and Single-junction GaAs Solar Cell Production Site of Key Manufacturer

Table 58. Single-junction GaAs Solar Cell Market: Company Product Type Footprint

Table 59. Single-junction GaAs Solar Cell Market: Company Product Application Footprint

Table 60. Single-junction GaAs Solar Cell New Market Entrants and Barriers to Market Entry

Table 61. Single-junction GaAs Solar Cell Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Single-junction GaAs Solar Cell Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 63. Global Single-junction GaAs Solar Cell Sales Quantity by Region (2020-2025) & (KW)

Table 64. Global Single-junction GaAs Solar Cell Sales Quantity by Region (2026-2031) & (KW)

Table 65. Global Single-junction GaAs Solar Cell Consumption Value by Region (2020-2025) & (USD Million)

Table 66. Global Single-junction GaAs Solar Cell Consumption Value by Region (2026-2031) & (USD Million)

Table 67. Global Single-junction GaAs Solar Cell Average Price by Region (2020-2025) & (US\$/KW)

Table 68. Global Single-junction GaAs Solar Cell Average Price by Region (2026-2031) & (US\$/KW)

Table 69. Global Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2025) & (KW)

Table 70. Global Single-junction GaAs Solar Cell Sales Quantity by Type (2026-2031) & (KW)

Table 71. Global Single-junction GaAs Solar Cell Consumption Value by Type (2020-2025) & (USD Million)

Table 72. Global Single-junction GaAs Solar Cell Consumption Value by Type (2026-2031) & (USD Million)

Table 73. Global Single-junction GaAs Solar Cell Average Price by Type (2020-2025) & (US\$/KW)

Table 74. Global Single-junction GaAs Solar Cell Average Price by Type (2026-2031) & (US\$/KW)

Table 75. Global Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2025) & (KW)

Table 76. Global Single-junction GaAs Solar Cell Sales Quantity by Application (2026-2031) & (KW)

Table 77. Global Single-junction GaAs Solar Cell Consumption Value by Application (2020-2025) & (USD Million)

Table 78. Global Single-junction GaAs Solar Cell Consumption Value by Application (2026-2031) & (USD Million)

Table 79. Global Single-junction GaAs Solar Cell Average Price by Application (2020-2025) & (US\$/KW)

Table 80. Global Single-junction GaAs Solar Cell Average Price by Application (2026-2031) & (US\$/KW)

Table 81. North America Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2025) & (KW)

Table 82. North America Single-junction GaAs Solar Cell Sales Quantity by Type (2026-2031) & (KW)

Table 83. North America Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2025) & (KW)

Table 84. North America Single-junction GaAs Solar Cell Sales Quantity by Application (2026-2031) & (KW)

Table 85. North America Single-junction GaAs Solar Cell Sales Quantity by Country (2020-2025) & (KW)

Table 86. North America Single-junction GaAs Solar Cell Sales Quantity by Country (2026-2031) & (KW)

Table 87. North America Single-junction GaAs Solar Cell Consumption Value by Country (2020-2025) & (USD Million)

Table 88. North America Single-junction GaAs Solar Cell Consumption Value by Country (2026-2031) & (USD Million)

Table 89. Europe Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2025) & (KW)

Table 90. Europe Single-junction GaAs Solar Cell Sales Quantity by Type (2026-2031) & (KW)

Table 91. Europe Single-junction GaAs Solar Cell Sales Quantity by Application

(2020-2025) & (KW)

Table 92. Europe Single-junction GaAs Solar Cell Sales Quantity by Application

(2026-2031) & (KW)

Table 93. Europe Single-junction GaAs Solar Cell Sales Quantity by Country

(2020-2025) & (KW)

Table 94. Europe Single-junction GaAs Solar Cell Sales Quantity by Country

(2026-2031) & (KW)

Table 95. Europe Single-junction GaAs Solar Cell Consumption Value by Country

(2020-2025) & (USD Million)

Table 96. Europe Single-junction GaAs Solar Cell Consumption Value by Country

(2026-2031) & (USD Million)

Table 97. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Type

(2020-2025) & (KW)

Table 98. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Type

(2026-2031) & (KW)

Table 99. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Application

(2020-2025) & (KW)

Table 100. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Application

(2026-2031) & (KW)

Table 101. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Region

(2020-2025) & (KW)

Table 102. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity by Region

(2026-2031) & (KW)

Table 103. Asia-Pacific Single-junction GaAs Solar Cell Consumption Value by Region

(2020-2025) & (USD Million)

Table 104. Asia-Pacific Single-junction GaAs Solar Cell Consumption Value by Region

(2026-2031) & (USD Million)

Table 105. South America Single-junction GaAs Solar Cell Sales Quantity by Type

(2020-2025) & (KW)

Table 106. South America Single-junction GaAs Solar Cell Sales Quantity by Type

(2026-2031) & (KW)

Table 107. South America Single-junction GaAs Solar Cell Sales Quantity by

Application (2020-2025) & (KW)

Table 108. South America Single-junction GaAs Solar Cell Sales Quantity by

Application (2026-2031) & (KW)

Table 109. South America Single-junction GaAs Solar Cell Sales Quantity by Country

(2020-2025) & (KW)

Table 110. South America Single-junction GaAs Solar Cell Sales Quantity by Country

(2026-2031) & (KW)

Table 111. South America Single-junction GaAs Solar Cell Consumption Value by Country (2020-2025) & (USD Million)

Table 112. South America Single-junction GaAs Solar Cell Consumption Value by Country (2026-2031) & (USD Million)

Table 113. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Type (2020-2025) & (KW)

Table 114. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Type (2026-2031) & (KW)

Table 115. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Application (2020-2025) & (KW)

Table 116. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Application (2026-2031) & (KW)

Table 117. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Country (2020-2025) & (KW)

Table 118. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity by Country (2026-2031) & (KW)

Table 119. Middle East & Africa Single-junction GaAs Solar Cell Consumption Value by Country (2020-2025) & (USD Million)

Table 120. Middle East & Africa Single-junction GaAs Solar Cell Consumption Value by Country (2026-2031) & (USD Million)

Table 121. Single-junction GaAs Solar Cell Raw Material

Table 122. Key Manufacturers of Single-junction GaAs Solar Cell Raw Materials

Table 123. Single-junction GaAs Solar Cell Typical Distributors

Table 124. Single-junction GaAs Solar Cell Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Single-junction GaAs Solar Cell Picture
- Figure 2. Global Single-junction GaAs Solar Cell Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Single-junction GaAs Solar Cell Revenue Market Share by Type in 2024
- Figure 4. Aviation Grade Examples
- Figure 5. Civilian Grade Examples
- Figure 6. Global Single-junction GaAs Solar Cell Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global Single-junction GaAs Solar Cell Revenue Market Share by Application in 2024
- Figure 8. UAV Examples
- Figure 9. Aerospace Examples
- Figure 10. Photovoltaic Power Generation Examples
- Figure 11. Others Examples
- Figure 12. Global Single-junction GaAs Solar Cell Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 13. Global Single-junction GaAs Solar Cell Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 14. Global Single-junction GaAs Solar Cell Sales Quantity (2020-2031) & (KW)
- Figure 15. Global Single-junction GaAs Solar Cell Price (2020-2031) & (US\$/KW)
- Figure 16. Global Single-junction GaAs Solar Cell Sales Quantity Market Share by Manufacturer in 2024
- Figure 17. Global Single-junction GaAs Solar Cell Revenue Market Share by Manufacturer in 2024
- Figure 18. Producer Shipments of Single-junction GaAs Solar Cell by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 19. Top 3 Single-junction GaAs Solar Cell Manufacturer (Revenue) Market Share in 2024
- Figure 20. Top 6 Single-junction GaAs Solar Cell Manufacturer (Revenue) Market Share in 2024
- Figure 21. Global Single-junction GaAs Solar Cell Sales Quantity Market Share by Region (2020-2031)
- Figure 22. Global Single-junction GaAs Solar Cell Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Single-junction GaAs Solar Cell Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Single-junction GaAs Solar Cell Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Single-junction GaAs Solar Cell Average Price by Type (2020-2031) & (US\$/KW)

Figure 31. Global Single-junction GaAs Solar Cell Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Single-junction GaAs Solar Cell Revenue Market Share by Application (2020-2031)

Figure 33. Global Single-junction GaAs Solar Cell Average Price by Application (2020-2031) & (US\$/KW)

Figure 34. North America Single-junction GaAs Solar Cell Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Single-junction GaAs Solar Cell Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Single-junction GaAs Solar Cell Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Single-junction GaAs Solar Cell Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Single-junction GaAs Solar Cell Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Single-junction GaAs Solar Cell Sales Quantity Market Share by

Application (2020-2031)

Figure 43. Europe Single-junction GaAs Solar Cell Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Single-junction GaAs Solar Cell Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 46. France Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Single-junction GaAs Solar Cell Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Single-junction GaAs Solar Cell Consumption Value Market Share by Region (2020-2031)

Figure 54. China Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 57. India Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Single-junction GaAs Solar Cell Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Single-junction GaAs Solar Cell Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Single-junction GaAs Solar Cell Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Single-junction GaAs Solar Cell Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Single-junction GaAs Solar Cell Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Single-junction GaAs Solar Cell Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Single-junction GaAs Solar Cell Consumption Value (2020-2031) & (USD Million)

Figure 74. Single-junction GaAs Solar Cell Market Drivers

Figure 75. Single-junction GaAs Solar Cell Market Restraints

Figure 76. Single-junction GaAs Solar Cell Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Single-junction GaAs Solar Cell in 2024

Figure 79. Manufacturing Process Analysis of Single-junction GaAs Solar Cell

Figure 80. Single-junction GaAs Solar Cell Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

## I would like to order

Product name: Global Single-junction GaAs Solar Cell Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/GAEB3FB0D399EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAEB3FB0D399EN.html>